

Test Bank for Guide to SQL 10th Shellman

TEST BANK SAMPLE PREVIEW

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Test Bank

Module 1 - Introduction to KimTay Pet Supplies and StayWell Student Accommodation Databases

True / False

1. An example of a relationship between categories in the KimTay database is the relationship between sales reps and customers.

- a. True
- b. False

ANSWER: True

FEEDBACK: *Correct* Each database also contains relationships between categories. For example, the KimTay Pet Supplies database contains information that relates sales reps to the customers they represent and customers to the invoices they have placed.
Incorrect Each database also contains relationships between categories. For example, the KimTay Pet Supplies database contains information that relates sales reps to the customers they represent and customers to the invoices they have placed.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: What Is a Database?

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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2. The StayWell database uses a combination of letters and numbers to identify each resident.

- a. True
- b. False

ANSWER: False

FEEDBACK: *Correct* Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.
Incorrect Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

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3. StayWell organizes a variety of maintenance services for a fee.

- a. True
- b. False

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ANSWER: True

FEEDBACK: *Correct* Currently, prospective owners and renters need to contact the offices and speak to an administrator on all matters relating to renting of properties. The office organizes maintenance services for a fee, which is also currently done via email or direct communication.

Incorrect Currently, prospective owners and renters need to contact the offices and speak to an administrator on all matters relating to renting of properties. The office organizes maintenance services for a fee, which is also currently done via email or direct communication.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 12:23 PM

4. The SERVICE_CATEGORY table in the StayWell database includes the service fees.

- a. True
- b. False

ANSWER: False

FEEDBACK: *Correct* The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.

Incorrect The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 12:27 PM

5. StayWell has twelve offices, one to manage each of their twelve rental locations.

- a. True
- b. False

ANSWER: False

FEEDBACK: *Correct* StayWell is split into two offices to better manage the properties. This management includes communicating with owners about the status and upkeep of their

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properties.

Incorrect StayWell is split into two offices to better manage the properties. This management includes communicating with owners about the status and upkeep of their properties.

POINTS: 1
DIFFICULTY: Easy
REFERENCES: StayWell Student Accommodation Database
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.
KEYWORDS: Bloom's: Remember
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Multiple Choice

6. KimTay sells _____.

- a. furniture
- b. pet supplies
- c. sporting goods
- d. electronic games

ANSWER: b

FEEDBACK:

- a. The management of KimTay Pet Supplies (a supplier of pet supplies, food, and accessories located in Cody, Wyoming) has determined that the company's recent growth no longer makes it feasible to maintain customer, invoice, and inventory data using its manual systems.
- b. The management of KimTay Pet Supplies (a supplier of pet supplies, food, and accessories located in Cody, Wyoming) has determined that the company's recent growth no longer makes it feasible to maintain customer, invoice, and inventory data using its manual systems.
- c. The management of KimTay Pet Supplies (a supplier of pet supplies, food, and accessories located in Cody, Wyoming) has determined that the company's recent growth no longer makes it feasible to maintain customer, invoice, and inventory data using its manual systems.
- d. The management of KimTay Pet Supplies (a supplier of pet supplies, food, and accessories located in Cody, Wyoming) has determined that the company's recent growth no longer makes it feasible to maintain customer, invoice, and inventory data using its manual systems.

POINTS: 1
DIFFICULTY: Easy
REFERENCES: The KimTay Pet Supplies Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.
KEYWORDS: Bloom's: Remember
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DATE MODIFIED: 9/29/2020 8:16 AM

7. The invoice line in a KimTay invoice contains a total, which is usually called a(n) ____.

- a. footing
- b. extension
- c. trailer
- d. sum

ANSWER: b

FEEDBACK:

- a. Each invoice line contains a total, usually called an extension, which is the result of multiplying the number ordered by the quoted price.
- b. Each invoice line contains a total, usually called an extension, which is the result of multiplying the number ordered by the quoted price.
- c. Each invoice line contains a total, usually called an extension, which is the result of multiplying the number ordered by the quoted price.
- d. Each invoice line contains a total, usually called an extension, which is the result of multiplying the number ordered by the quoted price.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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8. Each line in a KimTay invoice contains an item ID, the number of units of the item ordered, the quoted price, and ____.

- a. the wholesale price
- b. an item description
- c. the customer ID
- d. an office location

ANSWER: b

FEEDBACK:

- a. Each invoice line contains an item ID, an item description, the number of units of the item ordered, and the quoted price for the item.
- b. Each invoice line contains an item ID, an item description, the number of units of the item ordered, and the quoted price for the item.
- c. Each invoice line contains an item ID, an item description, the number of units of the item ordered, and the quoted price for the item.
- d. Each invoice line contains an item ID, an item description, the number of units of the item ordered, and the quoted price for the item.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 10:08 AM

9. How many tables make up the KimTay database?

- a. 4
- b. 5
- c. 6
- d. 7

ANSWER: b

FEEDBACK:

- a. Figure 1-2 shows five tables for the KimTay Pet Supplies database: CUSTOMER, SALES_REP, ITEM, INVOICES, and INVOICE_LINE.
- b. Figure 1-2 shows five tables for the KimTay Pet Supplies database: CUSTOMER, SALES_REP, ITEM, INVOICES, and INVOICE_LINE.
- c. Figure 1-2 shows five tables for the KimTay Pet Supplies database: CUSTOMER, SALES_REP, ITEM, INVOICES, and INVOICE_LINE.
- d. Figure 1-2 shows five tables for the KimTay Pet Supplies database: CUSTOMER, SALES_REP, ITEM, INVOICES, and INVOICE_LINE.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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10. The SALES_REP table consists of the sales representatives' IDs, first names, last names, addresses, mobile numbers, total commissions, and ____.

- a. total sales
- b. commission rates
- c. customers
- d. invoice numbers

ANSWER: b

FEEDBACK:

- a. In the SALES_REP table, you see that there are four reps, whose ID values are 05, 10, 15, and 20. The name of sales rep 05 is Susan Garcia. Her street address is 42 Mountain Ln. She lives in Cody, WY, and her postal code is 82414. Her cell phone number is 307-824-1245. Her total commission is \$12,743.16, and her commission rate is 0.04 (four percent).
- b. In the SALES_REP table, you see that there are four reps, whose ID values are 05, 10, 15, and 20. The name of sales rep 05 is Susan Garcia. Her street address is 42 Mountain Ln. She lives in Cody, WY, and her postal code is 82414. Her cell phone number is 307-824-1245. Her total commission is \$12,743.16, and her

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commission rate is 0.04 (four percent).

- c. In the SALES_REP table, you see that there are four reps, whose ID values are 05, 10, 15, and 20. The name of sales rep 05 is Susan Garcia. Her street address is 42 Mountain Ln. She lives in Cody, WY, and her postal code is 82414. Her cell phone number is 307-824-1245. Her total commission is \$12,743.16, and her commission rate is 0.04 (four percent).
- d. In the SALES_REP table, you see that there are four reps, whose ID values are 05, 10, 15, and 20. The name of sales rep 05 is Susan Garcia. Her street address is 42 Mountain Ln. She lives in Cody, WY, and her postal code is 82414. Her cell phone number is 307-824-1245. Her total commission is \$12,743.16, and her commission rate is 0.04 (four percent).

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 10:16 AM

11. The KimTay INVOICES table consists of the invoice number, invoice date, and _____.

- a. item ID
- b. quantity
- c. customer ID
- d. quoted price

ANSWER: c

FEEDBACK:

- a. In the table named INVOICES, you see that there are eight invoices which are identified with the numbers 14216, 14219, 14222, 14224, 14228, 14231, 14233, and 14237. Invoice number 14216 was placed on November 15, 2021, by customer 125 (Joey Smith).
- b. In the table named INVOICES, you see that there are eight invoices which are identified with the numbers 14216, 14219, 14222, 14224, 14228, 14231, 14233, and 14237. Invoice number 14216 was placed on November 15, 2021, by customer 125 (Joey Smith).
- c. In the table named INVOICES, you see that there are eight invoices which are identified with the numbers 14216, 14219, 14222, 14224, 14228, 14231, 14233, and 14237. Invoice number 14216 was placed on November 15, 2021, by customer 125 (Joey Smith).
- d. In the table named INVOICES, you see that there are eight invoices which are identified with the numbers 14216, 14219, 14222, 14224, 14228, 14231, 14233, and 14237. Invoice number 14216 was placed on November 15, 2021, by customer 125 (Joey Smith).

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 10:27 AM

12. In general, when designing tables, which type of structure is most preferable?

- a. complex
- b. simple
- c. detailed
- d. complete

ANSWER: b

FEEDBACK:

- a. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- b. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- c. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- d. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

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DATE MODIFIED: 9/29/2020 10:33 AM

13. Combining the INVOICE_LINE and INVOICES tables in the KimTay database will _____.

- a. save space in the table
- b. make the table more effective
- c. decrease the efficiency of the table
- d. make the table more complicated

Module 1 - Introduction to KimTay Pet Supplies and StayWell Student Accommodation Databases

ANSWER: d

FEEDBACK:

- a. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- b. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- c. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.
- d. It might seem inefficient to use two rows to store information that could be represented in one row, but this adds a level of complexity that is not present in the arrangement shown in Figure 1-2. In general, the simpler structure achieved with separate INVOICES and INVOICE_LINE tables is preferable, and that is why invoice lines appear in a separate table.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 10:37 AM

14. StayWell stores information about the facilities where student residents live in the _____ table.

- a. RENTAL_UNIT
- b. OFFICE
- c. PROPERTY
- d. OWNER

ANSWER: c

FEEDBACK:

- a. Each property at each location is identified by a property ID in the PROPERTY table. Each property also includes the office number that manages the property, address, floor size, the number of bedrooms, the number of floors, monthly rent per property, and the owner number.
- b. Each property at each location is identified by a property ID in the PROPERTY table. Each property also includes the office number that manages the property, address, floor size, the number of bedrooms, the number of floors, monthly rent per property, and the owner number.
- c. Each property at each location is identified by a property ID in the PROPERTY table. Each property also includes the office number that manages the property, address, floor size, the number of bedrooms, the number of floors, monthly rent per property, and the owner number.

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- d. Each property at each location is identified by a property ID in the PROPERTY table. Each property also includes the office number that manages the property, address, floor size, the number of bedrooms, the number of floors, monthly rent per property, and the owner number.

POINTS: 1
DIFFICULTY: Easy
REFERENCES: StayWell Student Accommodation Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.
KEYWORDS: Bloom's: Remember
DATE CREATED: 9/9/2020 1:37 PM
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15. StayWell rents out and helps to maintain _____.
a. one- to five-bedroom properties
b. apartments in the New York City area
c. medical equipment
d. office buildings for educational organizations

ANSWER: a

FEEDBACK:

- a. StayWell finds and manages accommodation for owners of student accommodation in the Seattle area. The company rents out and helps to maintain 1–5-bedroom properties located in two main areas in the city, Columbia City and Georgetown.
- b. StayWell finds and manages accommodation for owners of student accommodation in the Seattle area. The company rents out and helps to maintain 1–5-bedroom properties located in two main areas in the city, Columbia City and Georgetown.
- c. StayWell finds and manages accommodation for owners of student accommodation in the Seattle area. The company rents out and helps to maintain 1–5-bedroom properties located in two main areas in the city, Columbia City and Georgetown.
- d. StayWell finds and manages accommodation for owners of student accommodation in the Seattle area. The company rents out and helps to maintain 1–5-bedroom properties located in two main areas in the city, Columbia City and Georgetown.

POINTS: 1
DIFFICULTY: Easy
REFERENCES: StayWell Student Accommodation Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.
KEYWORDS: Bloom's: Remember
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DATE MODIFIED: 9/29/2020 11:44 AM

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16. Each row in the PROPERTY table in the StayWell database contains a property _____ that identifies that particular property.

- a. sequence
- b. ID
- c. name
- d. owner

ANSWER: b

FEEDBACK:

- a. Each property at each location is identified by a property ID, as seen in the PROPERTY table in Figure 1-6.
- b. Each property at each location is identified by a property ID, as seen in the PROPERTY table in Figure 1-6.
- c. Each property at each location is identified by a property ID, as seen in the PROPERTY table in Figure 1-6.
- d. Each property at each location is identified by a property ID, as seen in the PROPERTY table in Figure 1-6.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 11:47 AM

17. An owner number in the OWNER table in the StayWell database consists of _____ uppercase letters followed by a three-digit number.

- a. two
- b. three
- c. four
- d. five

ANSWER: a

FEEDBACK:

- a. Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.
- b. Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.
- c. Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.
- d. Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 11:49 AM

18. StayWell provides maintenance services across the properties they manage. The SERVICE_CATEGORY table in their database contains a _____.

- a. property ID
- b. location number
- c. description of the category
- d. location name

ANSWER: c

FEEDBACK:

- a. The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.
- b. The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.
- c. The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.
- d. The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 11:54 AM

19. Which field of the SERVICE_REQUEST table in the StayWell database indicates the issue reported by the resident who made the request?

- a. STATUS
- b. DESCRIPTION
- c. CATEGORY_DESCRIPTION
- d. SERVICE_DESCRIPTION

ANSWER: b

FEEDBACK:

- a. The DESCRIPTION column of the SERVICE_REQUEST table details the issues—e.g., “The bathroom doors does not close properly.”
- b. The DESCRIPTION column of the SERVICE_REQUEST table details the issues—e.g., “The bathroom doors does not close properly.”

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- c. The DESCRIPTION column of the SERVICE_REQUEST table details the issues—e.g., “The bathroom doors does not close properly.”
- d. The DESCRIPTION column of the SERVICE_REQUEST table details the issues—e.g., “The bathroom doors does not close properly.”

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 11:58 AM

20. Information about the services requested by StayWell residents is stored in the _____ table.

- a. LOCATION
- b. PROPERTY
- c. SERVICE_REQUEST
- d. OWNER

ANSWER: c

FEEDBACK:

- a. The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance.
- b. The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance.
- c. The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance.
- d. The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 12:00 PM

21. KimTay's management would like to set up a structure that contains different categories of information and the relationships between these categories. In other words, they want a _____.

- a. table
- b. database
- c. digital template
- d. spreadsheet

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ANSWER: b

FEEDBACK:

- a. A database is a structure that contains different categories of information and the relationships between these categories. For example, the KimTay Pet Supplies database contains information about categories such as sales representatives (sales reps), customers, invoices, and items.
- b. A database is a structure that contains different categories of information and the relationships between these categories. For example, the KimTay Pet Supplies database contains information about categories such as sales representatives (sales reps), customers, invoices, and items.
- c. A database is a structure that contains different categories of information and the relationships between these categories. For example, the KimTay Pet Supplies database contains information about categories such as sales representatives (sales reps), customers, invoices, and items.
- d. A database is a structure that contains different categories of information and the relationships between these categories. For example, the KimTay Pet Supplies database contains information about categories such as sales representatives (sales reps), customers, invoices, and items.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: What Is a Database?

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 10:50 AM

DATE MODIFIED: 9/29/2020 10:57 AM

22. At KimTay, the invoice total appears in which section of the invoice?

- a. top
- b. heading
- c. body
- d. footing

ANSWER: d

FEEDBACK:

- a. The sample invoice shown in Figure 1-1 has three sections. The footing (bottom) of the invoice contains the invoice total.
- b. The sample invoice shown in Figure 1-1 has three sections. The footing (bottom) of the invoice contains the invoice total.
- c. The sample invoice shown in Figure 1-1 has three sections. The footing (bottom) of the invoice contains the invoice total.
- d. The sample invoice shown in Figure 1-1 has three sections. The footing (bottom) of the invoice contains the invoice total.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used

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to manage a pet supplies business.

KEYWORDS: Bloom's: Remember
DATE CREATED: 9/29/2020 10:52 AM
DATE MODIFIED: 9/29/2020 10:59 AM

23. The KimTay database stores several items for each customer's invoice, including the ____.

- a. invoice date
- b. line totals (extensions)
- c. invoice total
- d. discount percentage

ANSWER: a

FEEDBACK:

- a. KimTay Pet Supplies must store several items in the database for each customer's invoice, including the invoice number, the date the invoice was placed, and the ID of the customer that placed the invoice. The result of multiplying the number of units ordered by the quoted price is not stored because the database can calculate it when needed. The overall invoice total is not stored. Instead, the database calculates the total whenever an invoice is printed or displayed on the screen.
- b. KimTay Pet Supplies must store several items in the database for each customer's invoice, including the invoice number, the date the invoice was placed, and the ID of the customer that placed the invoice. The result of multiplying the number of units ordered by the quoted price is not stored because the database can calculate it when needed. The overall invoice total is not stored. Instead, the database calculates the total whenever an invoice is printed or displayed on the screen.
- c. KimTay Pet Supplies must store several items in the database for each customer's invoice, including the invoice number, the date the invoice was placed, and the ID of the customer that placed the invoice. The result of multiplying the number of units ordered by the quoted price is not stored because the database can calculate it when needed. The overall invoice total is not stored. Instead, the database calculates the total whenever an invoice is printed or displayed on the screen.
- d. KimTay Pet Supplies must store several items in the database for each customer's invoice, including the invoice number, the date the invoice was placed, and the ID of the customer that placed the invoice. The result of multiplying the number of units ordered by the quoted price is not stored because the database can calculate it when needed. The overall invoice total is not stored. Instead, the database calculates the total whenever an invoice is printed or displayed on the screen.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember
DATE CREATED: 9/29/2020 10:52 AM
DATE MODIFIED: 9/29/2020 11:07 AM

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24. To determine how many Pump & Filter Kits are available in the warehouse, a KimTay employee would need to consult which database table?

- a. SALES_REP
- b. INVOICES
- c. ITEM
- d. INVOICE_LINE

ANSWER: c

FEEDBACK:

- a. In the table named ITEM, you see that there are 15 items. Item AD72 is a Dog Feeding Station, and KimTay Pet Supplies has 12 units of this item on hand, as shown in the ON_HAND column.
- b. In the table named ITEM, you see that there are 15 items. Item AD72 is a Dog Feeding Station, and KimTay Pet Supplies has 12 units of this item on hand, as shown in the ON_HAND column.
- c. In the table named ITEM, you see that there are 15 items. Item AD72 is a Dog Feeding Station, and KimTay Pet Supplies has 12 units of this item on hand, as shown in the ON_HAND column.
- d. In the table named ITEM, you see that there are 15 items. Item AD72 is a Dog Feeding Station, and KimTay Pet Supplies has 12 units of this item on hand, as shown in the ON_HAND column.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: The KimTay Pet Supplies Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 10:52 AM

DATE MODIFIED: 9/29/2020 11:13 AM

25. The KimTay database must combine data from all of its tables in order to print a(n) ____.

- a. inventory report
- b. sales rep directory
- c. invoice
- d. customer directory

ANSWER: c

FEEDBACK:

- a. As Figure 1-1 shows, a KimTay invoice includes information that is stored in all five database tables: customer information, the sales rep's name, invoice number and date, purchased line items, and item descriptions.
- b. As Figure 1-1 shows, a KimTay invoice includes information that is stored in all five database tables: customer information, the sales rep's name, invoice number and date, purchased line items, and item descriptions.
- c. As Figure 1-1 shows, a KimTay invoice includes information that is stored in all five database tables: customer information, the sales rep's name, invoice number and date, purchased line items, and item descriptions.
- d. As Figure 1-1 shows, a KimTay invoice includes information that is stored in all five database tables: customer information, the sales rep's name, invoice number and date, purchased line items, and item descriptions.

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POINTS: 1
DIFFICULTY: Easy
REFERENCES: The KimTay Pet Supplies Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.
KEYWORDS: Bloom's: Remember
DATE CREATED: 9/29/2020 10:52 AM
DATE MODIFIED: 9/29/2020 11:22 AM

26. KimTay's database allows sales reps to sell the same item for different prices by ____.
- a. including a QUOTED_PRICE column in the INVOICE_LINE table
 - b. including a PRICE column in the ITEM table
 - c. using the prices from the ITEM table in the invoice body
 - d. omitting price information from the ITEM table

ANSWER: a

FEEDBACK:

- a. Because KimTay Pet Supplies wants the flexibility to quote and charge different prices to different customers, the QUOTED_PRICE column is included in the INVOICE_LINE table. If the QUOTED_PRICE column did not appear in the INVOICE_LINE table, you would need to obtain the price for an item on an invoice line by looking up the price in the ITEM table.
- b. Because KimTay Pet Supplies wants the flexibility to quote and charge different prices to different customers, the QUOTED_PRICE column is included in the INVOICE_LINE table. If the QUOTED_PRICE column did not appear in the INVOICE_LINE table, you would need to obtain the price for an item on an invoice line by looking up the price in the ITEM table.
- c. Because KimTay Pet Supplies wants the flexibility to quote and charge different prices to different customers, the QUOTED_PRICE column is included in the INVOICE_LINE table. If the QUOTED_PRICE column did not appear in the INVOICE_LINE table, you would need to obtain the price for an item on an invoice line by looking up the price in the ITEM table.
- d. Because KimTay Pet Supplies wants the flexibility to quote and charge different prices to different customers, the QUOTED_PRICE column is included in the INVOICE_LINE table. If the QUOTED_PRICE column did not appear in the INVOICE_LINE table, you would need to obtain the price for an item on an invoice line by looking up the price in the ITEM table.

POINTS: 1
DIFFICULTY: Moderate
REFERENCES: The KimTay Pet Supplies Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.
KEYWORDS: Bloom's: Remember
DATE CREATED: 9/29/2020 10:52 AM
DATE MODIFIED: 9/29/2020 11:33 AM

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27. When a StayWell property is owned by more than one person, the OWNER table includes _____.
a. a group ID instead of an owner ID
b. an owner ID for each person
c. a row for each individual owner
d. only the primary contact

ANSWER: d

FEEDBACK:

- a. StayWell stores information about the owners of each property in the OWNER table. Although some apartments may be owned by a couple or a family, only the primary contact is given.
- b. StayWell stores information about the owners of each property in the OWNER table. Although some apartments may be owned by a couple or a family, only the primary contact is given.
- c. StayWell stores information about the owners of each property in the OWNER table. Although some apartments may be owned by a couple or a family, only the primary contact is given.
- d. StayWell stores information about the owners of each property in the OWNER table. Although some apartments may be owned by a couple or a family, only the primary contact is given.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 12:32 PM

DATE MODIFIED: 9/29/2020 12:39 PM

28. In the StayWell database, each rental property is identified by _____.
a. a combination of letters and numbers
b. a unique integer
c. a unique character value
d. the owner's owner ID

ANSWER: b

FEEDBACK:

- a. Each property at each location is identified by a property ID. The property ID is an integer unique for each property.
- b. Each property at each location is identified by a property ID. The property ID is an integer unique for each property.
- c. Each property at each location is identified by a property ID. The property ID is an integer unique for each property.
- d. Each property at each location is identified by a property ID. The property ID is an integer unique for each property.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 12:33 PM

DATE MODIFIED: 9/29/2020 12:43 PM

29. The StayWell database's OWNER table ____.
- a. includes property IDs
 - b. omits property IDs
 - c. includes single rows with multiple data entries
 - d. cannot be easily cross-referenced to the PROPERTY table

ANSWER: b

FEEDBACK:

- a. It might at first seem reasonable to include property IDs in the OWNER table, as it would only add one more column. However, if you look at the tables, you notice that there are more properties than owners because some owners have more than one property managed by StayWell.
- b. It might at first seem reasonable to include property IDs in the OWNER table, as it would only add one more column. However, if you look at the tables, you notice that there are more properties than owners because some owners have more than one property managed by StayWell.
- c. It might at first seem reasonable to include property IDs in the OWNER table, as it would only add one more column. However, if you look at the tables, you notice that there are more properties than owners because some owners have more than one property managed by StayWell.
- d. It might at first seem reasonable to include property IDs in the OWNER table, as it would only add one more column. However, if you look at the tables, you notice that there are more properties than owners because some owners have more than one property managed by StayWell.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 12:33 PM

DATE MODIFIED: 9/29/2020 12:46 PM

30. If a StayWell administrator needs to know where a resident lives, he or she should consult which tables?
- a. RESIDENTS and PROPERTY
 - b. SERVICE_CATEGORY and SERVICE_REQUEST
 - c. OFFICE and PROPERTY
 - d. RESIDENTS and OFFICE

ANSWER: a

FEEDBACK: a. The RESIDENT column includes the first name and last name for each of the

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residents, along with a resident ID. The PROPERTY_ID is the unique identification number of the property in which they are staying. The PROPERTY table provides details about the property associated with the PROPERTY_ID.

- b. The RESIDENT column includes the first name and last name for each of the residents, along with a resident ID. The PROPERTY_ID is the unique identification number of the property in which they are staying. The PROPERTY table provides details about the property associated with the PROPERTY_ID.
- c. The RESIDENT column includes the first name and last name for each of the residents, along with a resident ID. The PROPERTY_ID is the unique identification number of the property in which they are staying. The PROPERTY table provides details about the property associated with the PROPERTY_ID.
- d. The RESIDENT column includes the first name and last name for each of the residents, along with a resident ID. The PROPERTY_ID is the unique identification number of the property in which they are staying. The PROPERTY table provides details about the property associated with the PROPERTY_ID.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 12:33 PM

DATE MODIFIED: 9/29/2020 12:52 PM

31. Though they haven't yet achieved an e-commerce-based business status, in the future, StayWell would like to be able to use their database in conjunction with _____.

- a. an overseas call center
- b. live administrators taking phone calls
- c. advertisements in student-facing publications
- d. mobile apps and online booking systems

ANSWER: d

- FEEDBACK:**
- a. StayWell has decided that the best way to increase efficiency and move toward an e-commerce-based business model is to store all the data about the properties, owners, tenants and services in databases. StayWell hopes that these databases can then be used in future projects such as mobile apps and online booking systems.
 - b. StayWell has decided that the best way to increase efficiency and move toward an e-commerce-based business model is to store all the data about the properties, owners, tenants and services in databases. StayWell hopes that these databases can then be used in future projects such as mobile apps and online booking systems.
 - c. StayWell has decided that the best way to increase efficiency and move toward an e-commerce-based business model is to store all the data about the properties, owners, tenants and services in databases. StayWell hopes that these databases can then be used in future projects such as mobile apps and online booking systems.
 - d. StayWell has decided that the best way to increase efficiency and move toward an e-commerce-based business model is to store all the data about the properties, owners, tenants and services in databases. StayWell hopes that these

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databases can then be used in future projects such as mobile apps and online booking systems.

POINTS: 1
DIFFICULTY: Easy
REFERENCES: StayWell Student Accommodation Database
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.
KEYWORDS: Bloom's: Remember
DATE CREATED: 9/29/2020 12:33 PM
DATE MODIFIED: 9/29/2020 3:29 PM

Essay

32. Why would you not combine the two tables INVOICES and INVOICE_LINE in the KimTay database?

ANSWER: If the two tables were combined, the new table would be more complicated. Some of the individual positions within this table would contain multiple entries, making it difficult to track the information between columns. Determining which invoices contained invoice lines for a given item would be tricky. In general, the simpler structure is preferable, and that is why invoice lines appear in a separate table.

POINTS: 1
DIFFICULTY: Moderate
REFERENCES: The KimTay Pet Supplies Database
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.
KEYWORDS: Bloom's: Remember
DATE CREATED: 9/9/2020 1:37 PM
DATE MODIFIED: 9/29/2020 10:46 AM

33. List three practical issues that would need to be dealt with if the INVOICES table and the INVOICE_LINE table in the KimTay database were combined.

ANSWER:

- How much room do you allow for multiple entries?
- What happens when an invoice has more invoice lines than you have allowed room for?
- For a given item, how do you determine which invoices contain invoice lines for that item?

POINTS: 1
DIFFICULTY: Moderate
REFERENCES: The KimTay Pet Supplies Database
QUESTION TYPE: Essay
HAS VARIABLES: False

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STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: Guide to SQL.10e.1.1 - Introduce KimTay Pet Supplies, a company whose database is used to manage a pet supplies business.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/9/2020 1:37 PM

DATE MODIFIED: 9/29/2020 10:48 AM

34. The StayWell database includes OWNER and PROPERTY tables. Both tables have columns with the owner numbers, but the OWNER table does not have a column associating property IDs with owners. Why is this?

ANSWER: It might at first seem reasonable to include property IDs in the OWNER table, as it would only add one more column. However, if you look at the tables, you notice that there are more properties than owners because some owners have more than one property managed by StayWell. If the OWNER table included the property codes, this would require some entries to have more than one property ID. This would either require multiple property columns or require single rows to contain multiple data entries, creating issues in cross-referencing.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Essay

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 4:33 PM

DATE MODIFIED: 9/29/2020 4:38 PM

35. Can an administrator at StayWell use their database to determine which student resident put in a request for maintenance? Explain why or why not.

ANSWER: No; there are no direct relationships between residents and service requests. The two tables an administrator can consult are RESIDENTS and SERVICE_REQUEST.

- The RESIDENTS table includes details about the residents living in each property. The RESIDENT column includes the first name and last name for each of the residents, along with a resident ID. The PROPERTY_ID is the unique identification number of the property in which they are staying.
- The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance. Each row contains a unique service ID number, the property ID, and the category. The table includes details of the request, along with the current status. The estimated time to complete the service is included, plus the actual amount of time and the date of the action to be taken, where applicable.

The PROPERTY_ID for each service request can be looked up, but because there are multiple residents associated with each PROPERTY_ID there is no way to tell which resident at that property put in a request.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

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QUESTION TYPE: Essay

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

DATE CREATED: 9/29/2020 4:39 PM

DATE MODIFIED: 9/29/2020 4:50 PM

36. Name and briefly describe the tables in the StayWell database.

ANSWER: StayWell is split into two offices to better manage the properties. The OFFICE table shows the office number, office location, address, area, city, state, and ZIP code.

StayWell stores information about the owners of each property in the OWNER table. Each owner is identified by a unique owner number that consists of two uppercase letters followed by a three-digit number. For each owner, the table also includes the last name, first name, address, city, state, and ZIP code.

In the PROPERTY table, each property at each location is identified by a property ID. Each property also includes the office number that manages the property, address, floor size, the number of bedrooms, the number of floors, monthly rent per property, and the owner number.

The SERVICE_CATEGORY table includes details of maintenance services. The CATEGORY_NUM provides a unique number for the service, and CATEGORY_DESCRIPTION shows what the service is. The SERVICE_REQUEST table shows requests that residents have put into the offices for maintenance. Each row contains a unique service ID number, the property ID, and the category. The table includes details of the request, along with the current status. The estimated time to complete the service is included, plus the actual amount of time and the date of the action to be taken, where applicable.

The RESIDENTS table includes details about the residents living in each property. The RESIDENT column includes the first name and last name for each of the residents, along with a resident ID.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: StayWell Student Accommodation Database

QUESTION TYPE: Essay

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: Guide to SQL.10e.1.2 - Introduce StayWell, a Seattle-based company whose database is used to manage accommodation for university students on behalf of property owners.

KEYWORDS: Bloom's: Remember

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