

Question 1

A security analyst queries a database related to security patches. How can SQL help this analyst with their work? 1 / 1 point

SQL will send out a spreadsheet about the patches.

The analyst can directly install patches from SQL.

SQL will automatically produce a report when the patches have been installed.

The analyst can efficiently find the data they need.

Correct

Question 2

What is true about the values in the primary key column? Select all that apply. 1 / 1 point

They do not need to be unique.

They cannot be null (or empty).

Correct

They should never contain numeric data.

Each row must have a unique value.

Correct

Question 3

Which of these SQL statements queries the log_in_attempts table? Select all that apply. 1 / 1 point

SELECT *

FROM log_in_attempts;

Correct

SELECT event_id, username

FROM log_in_attempts

WHERE event_id < 150;

Correct

SELECT log_in_attempts

FROM *;

SELECT log_in_attempts

FROM event_id;

Question 4

What type of join compares tables and returns only the rows that have a matching value in a specified column? 1 / 1 point

LEFT JOIN

RIGHT JOIN

FULL OUTER JOIN

INNER JOIN

Correct

Question 5

What does WHERE department = 'Sales' indicate in the following SQL query?

```
SELECT *
```

```
FROM employees
```

```
WHERE department = 'Sales'; 1 / 1 point
```

To only return the department column

To change all the values in the department column to 'Sales'

To only return rows that match the filter

To highlight the department column in the results

Correct

Question 6

You work with a table that has one column for name. Some of these names have prefixes. You want to identify all of the doctors. Which query will return every name that starts with the prefix 'Dr.'? 1 / 1 point

```
WHERE name = 'Dr.%';
```

```
WHERE name LIKE 'Dr._';
```

```
WHERE name = 'Dr._';
```

```
WHERE name LIKE 'Dr.%';
```

Correct

Question 7

What does the following query return? SELECT *

```
FROM employees
```

```
RIGHT JOIN machines ON employees.device_id = machines.device_id; 1 / 1 point
```

All columns of the employees and machines tables, all records from the machines table, and the records from employees that match on device_id

All columns of the employees and machines tables, all records from the employees table, and the records from machines that match on device_id

All columns and records from the employees and machines tables

All columns of the employees and machines tables and the records from employees and machines that match on device_id

Correct

Question 8

You are working with the Chinook database. You want to return the lastname and title columns from the employees table. Replace --??? with the missing information to complete the query. (If you want to undo your changes to the query, you can click the Reset button.)

```
SELECT lastname, title
FROM employees;
```

```
+-----+-----+
| LastName | Title      |
+-----+-----+
| Adams   | General Manager |
| Edwards | Sales Manager   |
| Peacock | Sales Support Agent |
| Park    | Sales Support Agent |
| Johnson | Sales Support Agent |
| Mitchell | IT Manager      |
| King    | IT Staff        |
| Callahan | IT Staff        |
+-----+-----+
```

What is the title of the employee with the last name of Callahan? 1 / 1 point

Sales Manager
IT Manager
General Manager
IT Staff
Correct

Question 9

You are working with the Chinook database and are responsible for filtering for invoices with a total that is more than 20. Replace --??? with the missing information to complete the query. (If you want to undo your changes to the query, you can click the Reset button.)

```
SELECT customerid, total
FROM invoices
WHERE total > 20;
Reset
```

```
+-----+-----+
| CustomerId | Total |
+-----+-----+
| 45 | 21.86 |
| 46 | 21.86 |
| 26 | 23.86 |
| 6 | 25.86 |
+-----+-----+
```

How many invoices have a total that is more than 20? 1 / 1 point

1

2

4

3

Correct

Question 10

You are working with the Chinook database and are responsible for filtering for customers that live in the country of 'USA' and the state with an abbreviation of 'CA'. Replace --??? with the missing information to complete the query. (If you want to undo your changes to the query, you can click the Reset button.)

```
SELECT firstname,lastname, address, country
FROM customers
WHERE country = 'USA'
AND state = 'CA';
```

```
+-----+-----+-----+-----+
| FirstName | LastName | Address          | Country |
+-----+-----+-----+-----+
| Frank    | Harris  | 1600 Amphitheatre Parkway | USA    |
| Tim      | Goyer   | 1 Infinite Loop      | USA    |
| Dan      | Miller  | 541 Del Medio Avenue   | USA    |
+-----+-----+-----+-----+
```

What are the first names of the customers that live in the USA and the state with an abbreviation of CA?

1 / 1 point

Frank, Tim, Dan, Heather, Kathy

Kathy, Michelle, Frank

Frank, Tim, Dan

John, Michelle, Julia, Patrick

Correct