**irst**, you need to retrieve all the information about the employee devices.

1. Run the following query to select all device information from the machines table:

SELECT \*

FROM machines;

Copied!

***Note:****Using the asterisk (\*) returns all data from the specified table. Also, table names in MySQL are case-sensitive.*

The output returns all the contents of the machines table:

A screen shot of a computer

Description automatically generated

1. Run the following query to select only the device\_id and email\_clientcolumns from the machines table. Replace X with device\_id and Y with email\_client:

SELECT X, Y FROM machines;

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What email client is returned in the third row?

Email Client 4

Email Client 1

checkEmail Client 2

Email Client 3

**Now**, you need information on the operating systems used on various devices and their last patch date.

A screenshot of a computer

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**Now**, you need information on the operating systems used on various devices and their last patch date.

1. Complete the query to return only the device\_id, operating\_system, and OS\_patch\_date columns from the machines table. Replace X, Y, and Z with the columns that you need to return:

SELECT X, Y, Z FROM machines;

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What is the patch date of the first entry?

2021-12-01

check2021-09-01

2021-06-01

2021-03-01

Click **Check my progress** to verify that you have completed this task correctly.

**First**, you need to investigate the locations where login attempts were made to ensure that they’re in expected areas (the United States, Canada, or Mexico).

1. Write a SQL query to select the event\_id and country columns from the log\_in\_attempts table.

Were any login attempts made from Australia?

checkNo

Yes

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**Next**, you need to check if login attempts were made outside of the organization's working hours.

1. Write a SQL query that selects the username, login\_date, and login\_timecolumns from the log\_in\_attempts table.

What username is returned in the fifth row?

checkjrafael

apatel

dkot

mrah

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**Now**, you need to get a complete picture of all login attempts.

1. Write a SQL query that selects all columns from the log\_in\_attempts table, using a single symbol after the SELECT keyword.

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**Task 3. Order login attempts data**

In this task, you need to use the ORDER BY keyword. You'll sequence the data that your query returns according to the login date and time.

**First**, you need to sort the information by date.

1. Run the following query, which orders log\_in\_attempts data by login\_date:

SELECT \*

FROM log\_in\_attempts

ORDER BY login\_date;

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

**Now**, you need to further organize the previous results by ordering them by login\_time.

1. Modify the query from the previous step by adding the login time to the ORDER BY clause. You must replace X with the appropriate column name:

SELECT \*

FROM log\_in\_attempts

ORDER BY login\_date, X;

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What are the username and login time of the first record returned by the above query?

bsand at 00:19:11

gesparza at 00:40:00

pwashing at 00:36:12

wjaffrey at 00:15:55

A screen shot of a computer

Description automatically generated