Complete a join SQL queries

Project description

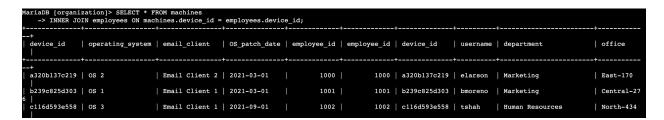
A recent security incident has happened where some machines are compromised. I am responsible to investigate by acquiring information from the database.

The responsibilities include:

- 1. Identifying which employees that used the machines
- Getting data of machines that assigned to specific user and machines that do not belong to any user
- 3. List all login attempts made by all employees

Match employees to their machines

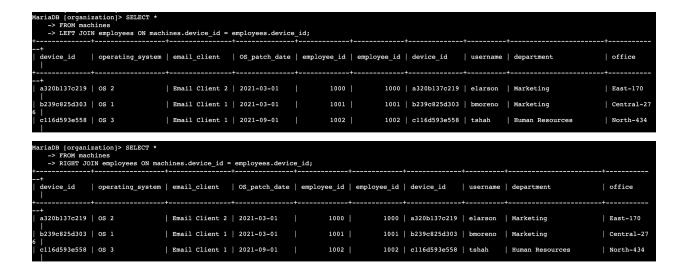
To identify data of machines assigned I must locate the **machines** information and employees tables.



- INNER JOIN joins employees and machines tables to a common column which is the device_id column.
- The ON operator ensures both columns are joined.

Return more data

Next is to reverse and retrieve information of all employees and any machines that are assigned to them.



- LEFT JOIN and ON operator joins all records from machines and employees tables through a left join.
- RIGHT JOIN and ON operator joins all records from machines and employees tables through a right join.

Retrieve login attempt data

After retrieving machines data, I must retrieve information on all employees who have made login attempts.



• INNER JOIN and ON operator joins the employees and log_in_attempts tables to link both tables on the common username column.