Activity: Complete a SQL join scenario

Task 1. Match employees to their machines

To identify which employees are using which machines. The data is in the machines and employees tables.

A SQL inner join to return the records based on a connecting column. In this scenario, both tables include the device_id column.

Task 2. Return more data

Return the information on all machines and the employees who have machines with a left join. Next, conduct a right join to retrieve the information of all employees and any machines that are assigned to them.

The results will include all records that are linked from the joins using the common device_id column.

Right Join:

Task 3. Retrieve login attempt data

To continue investigating the security incident, information was retrieved on all employees who have made login attempts. This was achieved by performing an inner join on the employees and log_in_attempts tables, linking them on the common username column.