# Apply filters to SQL queries

## Project description

[working with databases containing information about employees and focusing on how to manipulate sql commands to gain specific information necessary for the questions provided,]

## Retrieve after hours failed login attempts

[SELECT \*

->

-> FROM log\_in\_attempts

->

-> WHERE login\_time > '18:00' AND success = FALSE;]

**The given SQL query is selecting all columns from a table named log\_in\_attempts where the login\_time is later than '18:00' (6:00 PM) and the success column is set to FALSE. It is essentially retrieving records of unsuccessful login attempts that occurred after 6:00 PM.**

## Retrieve login attempts on specific dates

[SELECT \*

FROM log\_in\_attempts

WHERE login\_date = '2022-05-09' OR login\_date = '2022-05-08';]

**This query retrieves all rows from the log\_in\_attempts table where the login\_date is equal to either '2022-05-09' or '2022-05-08'. It's a way to filter and retrieve records based on specific login dates.**

## Retrieve login attempts outside of Mexico

[MariaDB [organization]> SELECT \*

->

-> FROM log\_in\_attempts

->

-> WHERE NOT country LIKE 'MEX%';]

**In this query, the NOT LIKE operator is used to retrieve records where the country does not start with 'MEX'. This covers both 'MEX' and 'MEXICO' variations in the country field**.

## Retrieve employees in Marketing

[MariaDB [organization]> SELECT \*

->

-> FROM employees

->

-> WHERE department = 'Marketing' AND office LIKE 'East%';]

**This query selects all columns (\*) from the employees table where the department is 'Marketing' and the office starts with 'East'. The LIKE operator with the pattern 'East%' ensures that it includes offices in the East building, such as 'East-170' or 'East-320'.**

## Retrieve employees in Finance or Sales

[MariaDB [organization]> SELECT \* FROM employees WHERE department = 'Finance'OR department ='Sales'; ]

**This query selects all columns (\*) from the employees table where the department is either 'Finance' or 'Sales'. The OR operator is used to combine multiple conditions in the WHERE clause.**

## Retrieve all employees not in IT

[MariaDB [organization]> SELECT \* FROM employees WHERE NOT department = 'Information Technology' ;] **using the NOT operator to retrieve records from the employees table where the department is not equal to 'Information Technology'. It will return all records for employees whose department is something other than 'Information Technology'.**

## Summary

The project involves managing employee information, analyzing login attempts for security purposes, and performing updates on employee machines. Specific tasks include retrieving data on employees in certain departments or locations, analyzing login activities, and identifying computers for updates. The SQL queries provided address various aspects of these tasks, including filtering login attempts, locating employees based on department and location, and managing computer updates. []