# Apply filters to SQL queries

## Project description

This project demonstrates the ability to select columns from within tables and apply filters to the results. Proper use of the filters AND, OR, and NOT is demonstrated.

## Retrieve after hours failed login attempts

SELECT \*

FROM log\_in\_attempts

WHERE login\_time > ‘18:00:00’;

This query will select all columns from the table log\_in\_attempts and display rows with a login\_time after 6 PM.

## Retrieve login attempts on specific dates

SELECT \*

FROM log\_in\_attempts

WHERE login\_date = ‘2022-05-08’ OR login\_date = ‘2022-05-09’;

This query will select all columns from the table log\_in\_attempts and display rows with a login\_date of 05/08/22 or 05/09/22.

## Retrieve login attempts outside of Mexico

SELECT \*

FROM log\_in\_attempts

WHERE NOT country LIKE ‘MEX%’;

This query will select all columns from the table log\_in\_attempts and display rows with country (countries) that are not Mexico. The database uses both MEX and MEXICO. This query will match both entries in the country column.

## Retrieve employees in Marketing

SELECT \*

FROM employees

WHERE department = Marketing AND office like ‘East%’;

This query will select all columns from the table employees and display rows with employees who work in Marketing and have an office beginning with East.

## Retrieve employees in Finance or Sales

SELECT \*

FROM employees

WHERE department = ‘Finance’ OR department = ‘Sales’;

This query will select all columns from the table employees and display rows with employees in either the Finance or Sales departments.

## Retrieve all employees not in IT

SELECT \*

FROM employees

WHERE NOT department like ‘Information Technology’;

This query will select all columns from the table employees and display rows with employees that work in any department other than Information Technology.

## Summary

These commands were used to respond to prompts from the scenario. The commands demonstrate the proper use of one or more filters to obtain only the required information.