# Apply filters to SQL queries

## Project description

Had to filter out many pieces of information using SQL queries related to a company with failed login attempts and also retrieving employee information within the company.

## Retrieve after hours failed login attempts

Selects everything from the login attempts table for any time after 18:00

SELECT \*

FROM log\_in\_attempts

WHERE login\_time > ‘18:00’ AND success = FALSE;

## Retrieve login attempts on specific dates

Selects everything from the login attempts table for the date 2022-05-09

SELECT \*

FROM log\_in\_attempts

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

## Retrieve login attempts outside of Mexico

Selects everything from the login attempts table for any country that does not have the pattern MEX

SELECT \*

FROM log\_in\_attempts

WHERE NOT country LIKE ‘MEX%’ ;

## Retrieve employees in Marketing

Selects everything from the employees table for the department of marketing in the east wing

SELECT \*

FROM employees

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

## Retrieve employees in Finance or Sales

Selects everything from the employees table for the department of finance or sales

SELECT \*

FROM employees

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

## Retrieve all employees not in IT

Selects everything from the employees table for every department but not IT department

SELECT \*

FROM employees

WHERE NOT department = ‘Information Technology’;

## Summary

Have learned how to filter out pieces of information in a database using many different types of operators.

Scenario:

You are a security professional at a large organization. Part of your job is to investigate security issues to help keep the system secure. You recently discovered some potential security issues that involve login attempts and employee machines.

Your task is to examine the organization’s data in their **employees** and **log\_in\_attempts** tables. You’ll need to use SQL filters to retrieve records from different datasets and investigate the potential security issues.