# Apply filters to SQL queries

## Project description

SQL was used to navigate a company relational database and to view employees from specific departments and buildings as well as sort login attempts to locate specific points of interest within the logs.

## Retrieve after hours failed login attempts

Operators were used with a where command to retrieve all login attempts after a specified time of 6pm.

## Retrieve login attempts on specific dates

The and-operator was used with a where command to retrieve all log in attempts made on two days though a between statement could also be used.

## Retrieve login attempts outside of Mexico

The not operator was used alongside a where command and integrated like command to exclude all login attempts made from mexico, which had multiple abbreviations within the logs leading to the like command being used.

## Retrieve employees in Marketing

An and-operator was used with a where command to only retrieve employees in marketing and a like command was added to allow all east offices to be included in the query.

## Retrieve employees in Finance or Sales

An or-operator connected the two departments in a where command, retrieving employees only belonging to those two departments.

## Retrieve all employees not in IT

A not operator was used within a where command to retrieve all employees whose departments were not information technology.

## Summary

I used a variety of SQL commands and operators to perform highly filtered queries and sort through large databases very effeciently.