# Apply filters to SQL queries

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## Project description

In this project we will be using different queries to return data from databases.

## Retrieve after hours failed login attempts

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## This query takes all the data from the database log\_in\_attempts and returns where the login\_time is greater than 18:00 and the login was unsuccessful. We do this by using the AND operator and including with it the two conditions: one where the time is greater than 18:00 and another where the Boolean success is 0.

## Retrieve login attempts on specific dates

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## This query takes all the login\_attempts that occurred either on 2022-05-08 or 2022-05-09. We do this by using the OR operator where then we can include 2 conditions. One where the date is the 8th and another where the date is the 9th,

## Retrieve login attempts outside of Mexico

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## This query filters the data from log\_in\_attempts where the country is outside of Mexico. We can do this by using the NOT operator and then including the condition where the country contains MEX at the beginning. We can use the keyword LIKE to make sure the word starts with MEX and can either end with nothing or ICO. We do this because this database shortens Mexico sometimes.

## Retrieve employees in Marketing

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## This query filters the data from the employees database to those that are in the Marketing department and those who have their offices in the East. We accomplish this by having the department equal marketing and the using the LIKE keyword to include all offices that start with ‘East’.

## Retrieve employees in Finance or Sales

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## In this query we filter the employees data base to have employees that are in the Finance or Sales department. We can accomplish this by using the OR operator.

## Retrieve all employees not in IT

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## In this query we filter the employees database to only include the employees that are not in the IT department. We can accomplish this by using the NOT operator.

## Summary

In this project we use SQL and different combinations of the operators AND, OR, and NOT to filter the databases to what we want. We were given 2 different databases with different keys and it was our task to learn what were in these data bases, what the keys were and make sure we used correct syntax and queries to return the data that we want.