# Apply filters to SQL queries

## Project description

I will the concepts of basic filtering and SQL queries to extract information from the Chinook database. I will demonstrate my understanding of SQL syntax, conditions, and operators.

## Retrieve after hours failed login attempts

This query selects all columns from the table ‘log\_in\_attempts’ then filters by the column ‘login\_time’ to only show results that occurred after the time ’18:00’ that also failed (the status of the ‘success’ column was false).



## Retrieve login attempts on specific dates

This query selects all columns from the table ‘log\_in\_attempts’ then filters by the column ‘login\_date’ to only show results that occurred on either ‘2022-05-09’ or ‘2022-05-08’.



## Retrieve login attempts outside of Mexico

This query selects all columns from the table ‘log\_in\_attempts’ then filters by the column ‘country’ to show all results that are not ‘MEXICO’ or anything starting with the letters ‘MEX’.



## Retrieve employees in Marketing

This query selects all columns from the table ‘employees’ then filters by the columns ‘department’ and ‘office’ to only show results that are in the Marketing department and in any office that begins with ‘EAST’.



## Retrieve employees in Finance or Sales

This query selects all columns from the table ‘employees’ then filters by the column ‘department’ to show all results that are in either the ‘Sales’ or ‘Finance’ department.

## Retrieve all employees not in IT

This query selects all columns from the table ‘employees’ then filters by the column ‘department’ to show all results that aren’t ‘Information Technology’.

## Summary

From the Chinook database, I have used SQL queries and filtering to extract information to help a theoretical IT department make conclusions for machine upgrades. I have demonstrated my understanding of SQL syntax, conditions, and operators.