# Apply filters to SQL queries

## Project description

## Retrieve after hours failed login attempts

The team wants to generate a list of failed logins after close of business: 6:00 PM (represented by 18:00 in the log\_in\_attempts table).

## SELECT \*

## FROM log\_in\_attempts

## WHERE login\_time > '18:00' AND success = FALSE;

This query would retrieve all records of unsuccessful log in attempts after 6:00 PM. The login\_time in the WHERE clause filters the results based on time. We also filter on the success column being false, signifying an unsuccessful login.

## Retrieve login attempts on specific dates

We observed a suspicious login attempt on 5/19/2022. Running this query would retrieve all records of logins on 5/18 and 5/19 for analysis.

SELECT \*

FROM log\_in\_attempts

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

The filter in this query limits the returned records of login\_date either 5/18 or 5/19.

## Retrieve login attempts outside of Mexico

The team determined that suspicious login activity originated from a country outside of Mexico. We wrote a query to retrieve records of login attempts from all other countries.

SELECT \*

FROM log\_in\_attempts

WHERE NOT country LIKE 'MEX%';

The WHERE clause on this query uses NOT to filter results, in this case the query would return all rows where the country is not Mexico. In the table, Mexico is saved as either the MEX or MEXICO string. Using the % in the filter would match all characters after MEX so that the filter will properly match both strings.

## Retrieve employees in Marketing

We would like to conduct security updates on machines that need them belonging to members of the Marketing department.

## Retrieve employees in Finance or Sales

[Add content here.]

## Retrieve all employees not in IT

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## Summary

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