

Apply filters to SQL queries

Project description

Investigate potential security issues that involve login attempts and employee machines.

Retrieve after hours failed login attempts

```
SELECT * FROM log_in_attempts WHERE login_time > '18:00' AND AND  
success = 0;
```

This query will find all events wherein there was a failed login attempt after 6:00 PM.

Retrieve login attempts on specific dates

```
SELECT * FROM log_in_attempts WHERE login_date = '2022-05-09' OR  
login_date = '2022-05-08';
```

This query will find all events wherein the login date was 5/9/2022 or 5/8/2022.

Retrieve login attempts outside of Mexico

```
SELECT * FROM log_in_attempts WHERE NOT country LIKE 'MEX%';
```

This query will find all events wherein the country was outside of Mexico.

Retrieve employees in Marketing

```
SELECT * FROM employees WHERE department = 'Marketing' AND office LIKE  
'East%';
```

This query will find all employees in the marketing department and whose office is in the East building.

Retrieve employees in Finance or Sales

```
SELECT * FROM employees WHERE department = 'Finance' OR department =  
'Sales';
```

This query will find all employees who work in the marketing or the sales department.

Retrieve all employees not in IT

```
SELECT * FROM employees WHERE NOT department = 'Information  
Technology' ;
```

This query will return all rows from the employees table wherein the department is not equal to Information Technology.

Summary

The queries in this document demonstrate competence in building queries that make use of common filtering syntax. They show that I am able to read and digest the semantics of one or more statements and then generate the SQL syntax that satisfies their meaning.