Apply filters to SQL queries

Project description

This project focuses on retrieving specific employee and login attempt records using SQL queries. The goal is to filter and extract relevant data based on various conditions such as department, login time, location.

Retrieve after hours failed login attempts

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

Retrieve login attempts on specific dates

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

Retrieve login attempts outside of Mexico

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

Retrieve employees in Marketing

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

Retrieve employees in Finance or Sales

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

Retrieve all employees not in IT

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

Summary

This project demonstrates SQL querying techniques to filter employee and login records based on specific conditions. It includes the use of:

- Comparison operators (>, <, =, !=, <>, >=, <=)
- Logical operators (AND, OR, NOT)
- Pattern Matching(LIKE)
- Date and time filtering

  These queries can help with security audits, employee tracking, and data analysis for business operations.