

## Apply filters to SQL queries

### Project description

I am utilizing SQL queries to investigate potential security issues regarding login attempts and employee data within the organization's database.

### Retrieve after hours failed login attempts

```
SELECT *  
FROM log_in_attempts  
WHERE login_time < '08:00:00' OR login_time > '17:00:00' AND success = 0;
```

### Retrieve login attempts on specific dates

```
SELECT *  
FROM log_in_attempts  
WHERE 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';
```

### 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

We identified potential security issues through SQL queries, such as after-hours failed login attempts and login attempts from locations outside of Mexico. Additionally, we retrieved employee data based on departmental affiliations, including Marketing, Finance, and Sales, while excluding those from the Information Technology department.