

# Apply filters to SQL queries

## Project description

A number of SQL queries need to be designed to satisfy the data collection requirements of the company.

## Retrieve after hours failed login attempts

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

Returns all columns of all rows of log\_in\_attempts where login time was after business hours and the login failed.

## Retrieve login attempts on specific dates

```
SELECT *  
FROM log_in_attempts  
WHERE login_date BETWEEN "2022-05-09" AND "2022-05-08"
```

Returns all columns of all rows of log\_in\_attempts on 2022-05-09 and the day before.

## Retrieve login attempts outside of Mexico

```
SELECT *  
FROM log_in_attempts  
WHERE NOT country LIKE "Mex%"
```

Returns all columns of all rows of log\_in\_attempts not originating from Mexico.

## Retrieve employees in Marketing

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

Returns all columns of all rows of employees where the employee works in the marketing department and has a East building office

## Retrieve employees in Finance or Sales

```
SELECT *
```

```
FROM employees
```

```
WHERE department = "Finance" OR department = "Sales"
```

Returns all columns of all rows of employees where the employee is in either the finance or sales department

## Retrieve all employees not in IT

```
SELECT *
```

```
FROM employees
```

```
WHERE NOT department = "Information Technology"
```

Returns all columns of all rows of employees where of employees not in the IT department

## Summary

Size queries were written and explained to satisfy company requests.