

Apply filters to SQL queries

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Project description

This project illustrates the usage of SQL queries to retrieve a variety of different information from SQL databases.

Retrieve after hours failed login attempts

The following query retrieves failed login attempts that occurred after a specified time:

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

Retrieve login attempts on specific dates

The following query retrieves all login attempts that occurred on two 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

The following query retrieves all login attempts that originated *outside* of any country beginning with the string 'MEX' (ex. 'MEXICO'):

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

Retrieve employees in Marketing

The following query retrieves all employees in the 'Marketing' department who also work in offices in the 'East' building:

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

Retrieve employees in Finance or Sales

The following query retrieves all employees that work in either the 'Sales' or 'Finance' departments:

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

Retrieve all employees not in IT

The following query retrieves all employees who are *not* in the 'Information Technology' department:

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

Summary

The above examples demonstrate a functional understanding of SQL queries and filtering.