Apply filters to SQL queries

Project description

The project is about retrieving information from a database using SQL.

Retrieve after hours failed login attempts

Queried the log_in_attempts table and review after hours login activity, using filters in SQL to create a query that identifies all failed login attempts that occurred after 18:00.

Retrieve login attempts on specific dates

Reviewed all login attempts which occurred on 2022-05-09 and the day before, using filters in SQL to create a query that identifies all login attempts that occurred on 2022-05-09 or 2022-05-08.

```
MariaDB [organization] > SELECT *
    ->    -> FROM log_in_attempts
    ->    -> WHERE login_date = '2022-05-09' OR login_date = '2022-05-08';

+-----+
| event_id | username | login_date | login_time | country | ip_address
| success |
+-----+
| 1 | jrafael | 2022-05-09 | 04:56:27 | CAN | 192.168.243.14
0 | 1 |
| 3 | dkot | 2022-05-09 | 06:47:41 | USA | 192.168.151.16
2 | 1 |
| 4 | dkot | 2022-05-08 | 02:00:39 | USA | 192.168.178.71
| 0 |
| 8 | bisles | 2022-05-08 | 01:30:17 | US | 192.168.119.17
3 | 0 |
```

Retrieve login attempts outside of Mexico

Investigated the login attempts that occurred outside of Mexico, using filters in SQL to create a query that identifies all login attempts that occurred outside of Mexico.

Retrieve employees in Marketing

Queried the employees table using filters in SQL to create a query that identifies all employees in the Marketing department for all offices in the East building.

Retrieve employees in Finance or Sales

Used filters in SQL to create a query that identifies all employees in the Sales or Finance departments.

Retrieve all employees not in IT

Used filters in SQL to create a query which identifies all employees not in the IT department.

Summary

Created SQL queries to retrieve the information needed in different situations.