Apply filters to SQL queries

Project description

Filtering through employee log in attempts at different times to pinpoint possible security issues, narrowed down a certain demographic for what the situation needed to identify them for whether it be a software update or information on activity or performance.

Retrieve after hours failed login attempts

In the table `log_in_attempts` we used our where command to filter through login_time between 18:00 and 20:00 and success 0; to filter through all failed attempts within a certain time

Retrieve login attempts on specific dates

We also filtered between certain dates to search for suspicious login attempts we filtered through our from `log_in_attempts table and used where login_date = 2022-05-09` and login_date = 2022-05-08

Retrieve login attempts outside of Mexico

We realized that the malicious login attempts were not coming from mexico so we used our not operator to filter out mexico as a result using our standard inputs from our log_in_attempts table we use our where NOT country LIKE 'mex%'; to filter it out

Retrieve employees in Marketing

For this example we needed to narrow down some results for employees on the east wing of the building and some that were in marketing. Select * From employees where department = 'marketing' or office like 'east%' or = 'North-434'

Retrieve employees in Finance or Sales

Here we needed to find employees that were a part of the sales and finance department to ensure that their software was up to date we did this by select * from employees where department ='sales' or department = 'finance'

Retrieve all employees not in IT

In this exemplar we needed to deploy a software update to all non IT employees so we filtered them out by using where NOT department = 'information technology';