

Training Activity Report

Name: King Sanders

Date of Activity: Saturday, May 24, 2025

Description:

This report documents the practical SQL filtering tasks performed during a virtual training exercise designed to simulate real world IT data analysis scenarios.

Tools Used:

SQL, Cloud Console

Objectives:

- Retrieve and filter machine and employee data from organizational databases
- Use WHERE and LIKE clauses effectively in SQL queries

Tasks Performed:

1. **List All Organization Machines**

- **SQL:** `SELECT device_id, operating_system FROM machines;`
- Rows Returned: 200

2. **Retrieve Machines with OS 2**

- **SQL:** `SELECT device_id, operating_system FROM machines WHERE operating_system = 'OS 2';`
- Machines Found: 80

3. **List Employees in Specific Departments**

- **SQL (Finance):** `SELECT * FROM employees WHERE department = 'Finance';`
- **SQL (Sales):** `SELECT * FROM employees WHERE department = 'Sales';`

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- Sales Employees: 33

4. **Identify Employee Machines in South Building**

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- **SQL (Specific Office):** `SELECT * FROM employees WHERE office = 'South-109';`

- Affected Employee: jlansky

- **SQL (All South Offices):** `SELECT * FROM employees WHERE office LIKE 'South-%';`

- First Department Found: Finance

Conclusion:

This training reinforced key SQL skills including filtering, pattern matching, and data identification within organizational databases. The ability to target specific machine and employee data based on departmental and location context is essential in IT and cybersecurity operations.