**Task 1: Get Familiar with SQL Statements**

Login into MySQL and switch database to Users

A screenshot of a computer

Description automatically generated

Show all tables in the database

Text

Description automatically generated

Print all the information of the employee ‘Alice’

A screenshot of a computer

Description automatically generated

**Task 2: SQL Injection Attack on SELECT Statement**

Task 2.1 SQL Injection Attack on the webpage

Graphical user interface, application

Description automatically generated

A screenshot of a computer

Description automatically generated

Task 2.2 SQL Injection Attack from the command line

Text

Description automatically generated

Task 2.3 Append a new SQL statement

UPDATE

Graphical user interface, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

DELETE

Graphical user interface, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

**Task 3: SQL Injection Attack on UPDATE Statement**

Task 3.1 Modify your own salary

123’ salary = 80000 WHERE name = ‘Alice’#

Graphical user interface, application

Description automatically generated

Graphical user interface, table

Description automatically generated

Task 3.2 Modify other people’s salary

123’,salary=1 WHERE name=’Body’ #

Graphical user interface, application, website

Description automatically generated

Graphical user interface

Description automatically generated

Task 3.3 Modify other people’s password

Graphical user interface, application, website

Description automatically generated

Graphical user interface, application

Description automatically generated

**Task 4: Countermeasure – Prepared Statement**

Open unsafe\_home .php

Text

Description automatically generated

Rewrite unsafe\_home.php

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Rewrite unsafe\_edit\_backend.php

A computer screen capture

Description automatically generated with medium confidence

Graphical user interface, application, website

Description automatically generated

Graphical user interface, table, website

Description automatically generated