**Project – MySQL Pen Testing**

**Guidelines**

1. For submission, follow the naming convention provided in the instructions

## Tasks

**Task 1. Nmap scan of the server**

* Take a screenshot of the outcome.
* Describe your observation after a nmap scan.

A screen shot of a computer

AI-generated content may be incorrect.

That the port 3306 which is for MySQL is open meaning it can be targeted as a potential area for attack if there are vulnerabilities found.

**Task 2. Brute-forcing logins**

* Take a screenshot of the outcome.
* Explain what you have accomplished.

A screenshot of a computer program

AI-generated content may be incorrect.

This ran a matching username and password through the database and returned any successful catches. In this case this is the known and expected outcome with the ‘root’ as it is given in the instructions, so this is why I fixed the module options to only check for the specific word. As shown in the screenshot the settings are not required and would’ve returned the information along with more attempts with the broader scope.

**Task 3. Obtaining MySQL version**

* Take a screenshot of the outcome.
* Describe explicitly the version of MySQL.

A screenshot of a computer

AI-generated content may be incorrect.

The version of sql is explicitly for ubuntu and seems to be an older version compared to what is available now.

**Task 4. Enumerating MySQL Users**

* Take a screenshot of the outcome.
* Describe explicitly MySQL users you’ve extracted.

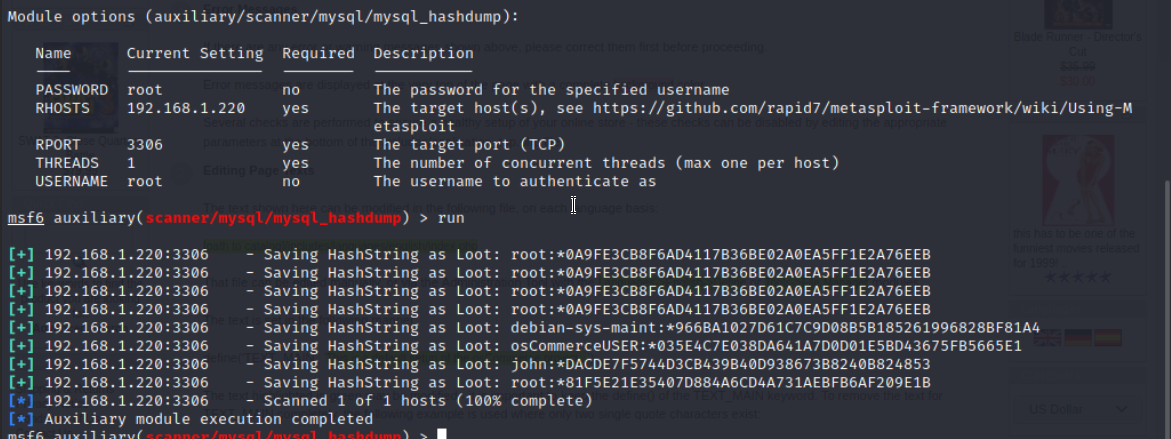
A screenshot of a computer program

AI-generated content may be incorrect.

The users have been categorized based on commonalities like alike privileges and users with password hashes.

**Task 5. Dump password hashes of MySQL Users**

* Take a screenshot of the outcome to report the password hashes you’ve extracted.



**Task 6. Dump database schema**

* Take a screenshot of the outcome.
* How many tables did you find?

A screenshot of a computer

AI-generated content may be incorrect.

After opening the file I used the ‘Find and Replace’ tool to get a quick count of all the tables and it is 47 tables in total.