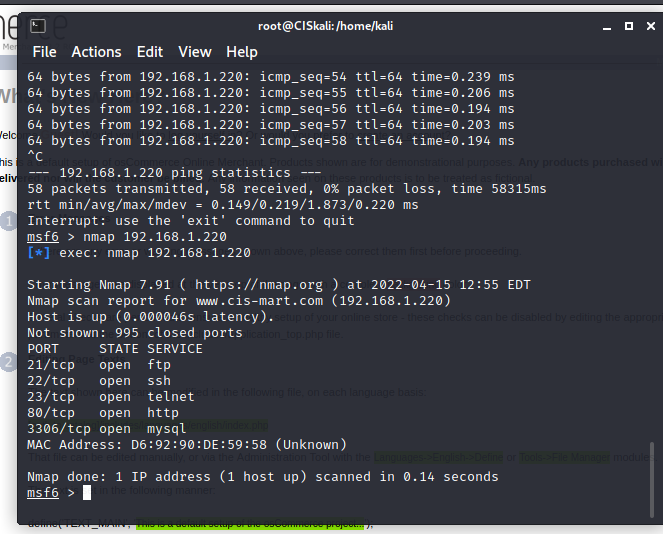
**Project – MySQL Pen Testing**

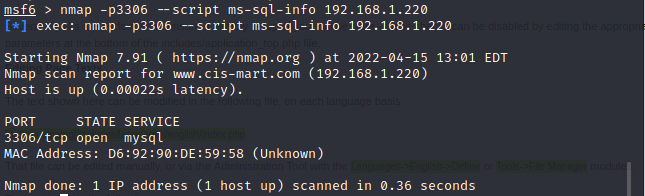
* Team Member: Ethan Grimes, Walter Pryor

## Tasks

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

* Take a screenshot of the outcome.



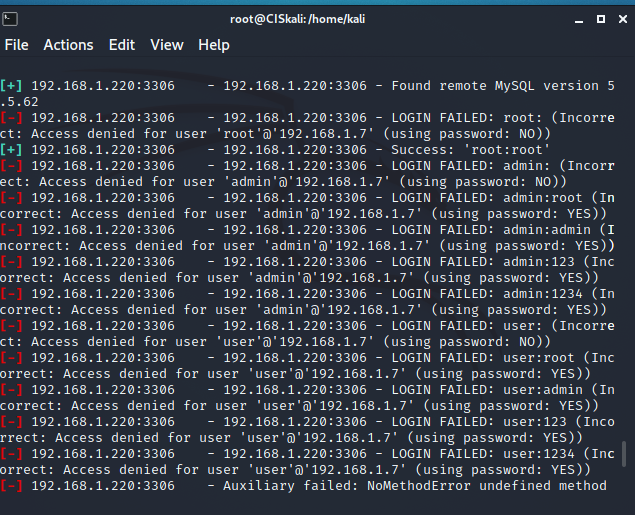


* Describe your observation after a nmap scan.

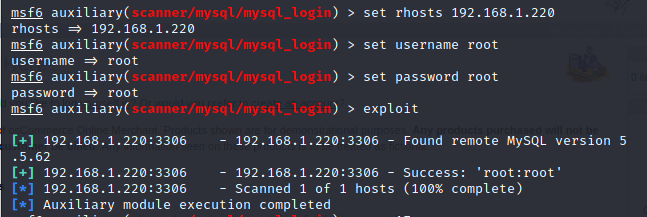
The nmap scan show the open ports on the server that can be easily exploited. Port 3306 is where the hacker can connect to the sql server. The sql server is called “mysql”.

**Task 2. Brute-forcing logins**

* Take a screenshot of the outcome.







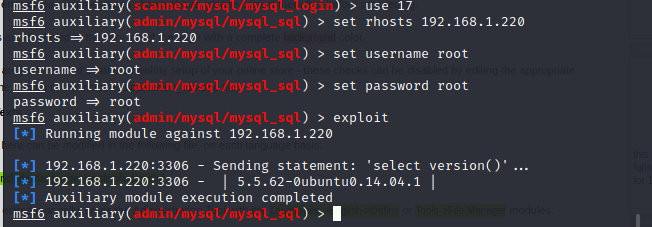
* Explain what you have accomplished.

I have attempted to brute-force guess the username and password of the sql server. I used a command called *SEARCH MYSQL* to search for a module to exploit. Then I used the command USE *AUXILIARY/SCANNER/MYSQL/MYSQL\_LOGIN* to look for options that the server has. I noticed that it allowed blank passwords and one of the usernames is root. I then created two lists, one for a list of possible usernames and one for possible passwords. Finally, set the user\_file as users.txt, pass\_file as pass.txt, and rhosts as 192.168.1.220. The result of this exploit is that the credentials root|root can be used to login to the server. After this, I logged into the server using the found credentials.



**Task 3. Obtaining MySQL version**

* Take a screenshot of the outcome.

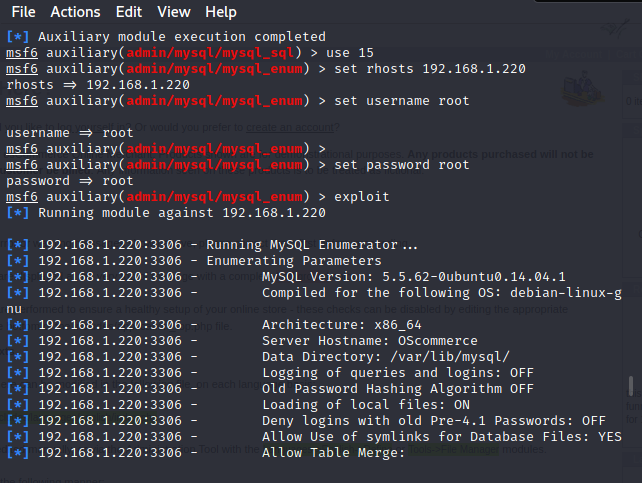


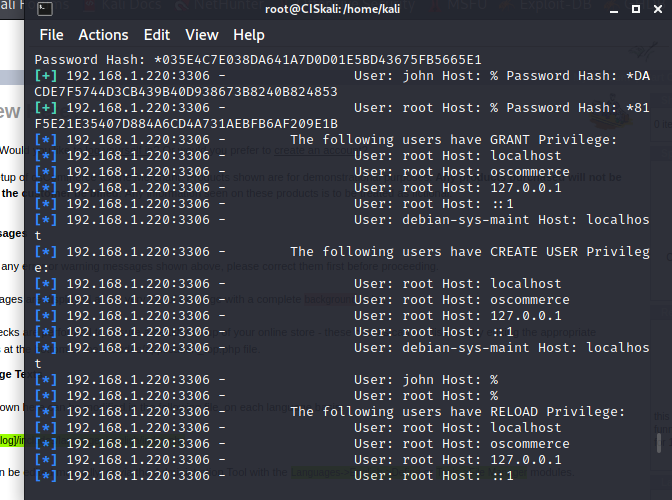
* Describe explicitly the version of MySQL.

Using the command *AUXILIARY/ADMIN/MYSQL/MYSQL\_SQL*, I logged into the server using the previously found credentials and discovered that the server version is SQL 5.5.62-0ubuntu0.14.04.1.

**Task 4. Enumerating MySQL Users**

* Take a screenshot of the outcome.



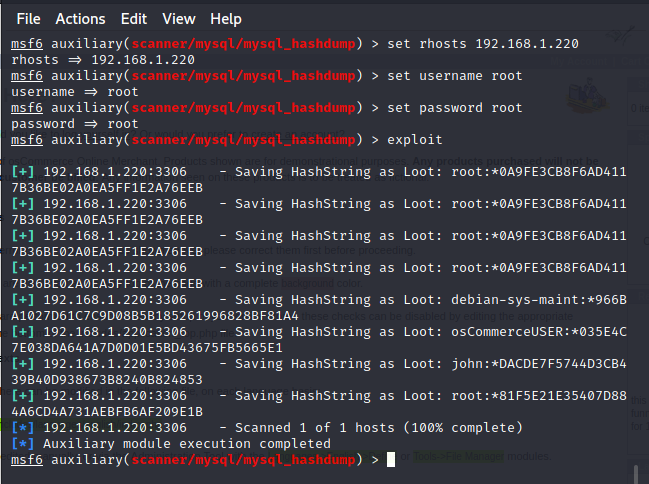


* Describe explicitly MySQL users you’ve extracted.

The users found are root, john, and debian-sys-maint.

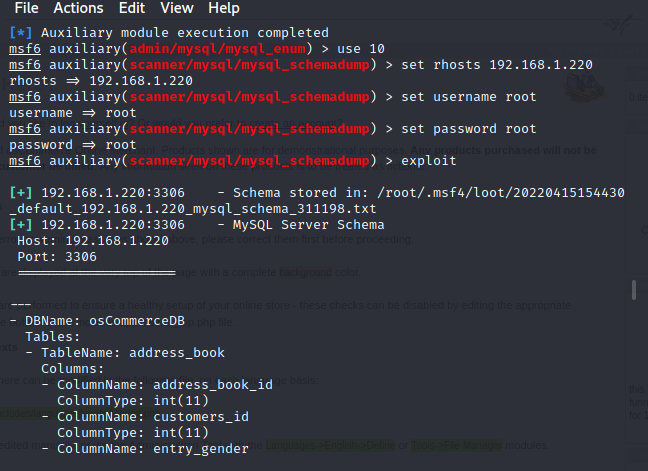
**Task 5. Dump password hashes of MySQL Users**

* 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?

47 Tables were found.