**CS5573**

**Assignment – 2**

**Due Date: 03-14-2018 Time: 11:59 p.m. Points: 8**

Instructions:

* Complete the answers and upload the document to the blackboard.
* Attach full screenshots to support your answers

Password cracking using dictionary attack

Use the below command to crack the password of a user login account ‘student’ on the server 134.193.129.16 using dictionary attack.

Command: *hydra –l student –V –P /usr/share/john/password.lst* ftp://134.193.129.16

1. What is the password of the login account ‘student’?

Ans:

Password cracking using bruteforce attack

Use the below command to crack the password of a user login account ‘user’ on the server 134.193.129.16 using bruteforce attack.

Command: *hydra –l cs5573 –V –x 4:4:a1* ftp://134.193.129.16

1. What is the password of the login account ‘cs5573?

Ans:

1. Explain the process of hashing and storing the passwords in latest Ubuntu/Linux and Windows operating systems.

Ans:

1. Mention the salt value, hash algorithm and hashed password value of the account ‘root’ of your Kali Linux system. (Open the shadow file in your kali linux and locate the username ‘root’ and provide the above details)

Ans: (provide snapshot and also specify the required values in text)

1. List the **live systems** of the network 134.193.129.0/24 using nmap tool.

Ans: (provide only snapshots)

1. List all the **open ports** available on the system[134.193.129.16](ftp://134.193.129.16) using nmap tool.

Ans: (provide only snapshots)

1. Find out the **Operating System** on the system 134.193.129.16 using nmap tool.

Ans: (specify OS name)

1. What is the **FTP server version** on the system 134.193.129.16?

(Use banner grabbing method – telnet with port 21)

Ans: (specify service name and version number.)