

FINAL LAB PROGRAMS

1. Write steps for hacking methodologies.
2.
 - a) Write the steps to turn ON & OFF firewalls in windows.
 - b) Write the steps to install Antivirus & Antispyware.
3. You are creating a new password for your online banking, how will you strengthen your password?
4. Write the steps to check and analyse
 - a) Browser certificate
 - b) Website certificate.
5. Write the steps to manage your OS and Browser.
6. Write steps to set up the password protection for your computer / laptop.
7. Write steps to create terms and conditions for your Mobile application.
8.
 - a) Write the steps for Github installation
 - b) Write basic local github operation
(create repository, cloning, commit changes and uploading file and projects)
9. Write a python program to demonstrate RSA Algorithm.
10. Write a python program to demonstrate Diffie Helman Algorithm.
11. Write a step to install cryptool.
12. Demonstrate Encryption and Decryption of a message using cryptool. (Caser cipher)
13. Demonstrate Encryption and Decryption of a message using cryptool. (RSA Algorithm)
14. Demonstrate Encryption and Decryption of a message using cryptool. (Hashing)
15.
 - a) Demonstrate Digital Signature in cryptool
 - b) Signing and verification process.
16. Demonstrate NTFS File system using NTFS Permission reporter.
17. Demonstration of BitLocker.

18. Installation and Demonstration of Process Hacker and Observe the process with all details.
19. Write the steps for Burpsuite installation and intercept HTTP traffic with Burp proxy.
20. Web Application Penetration testing of HTTP Methods, HTTP Requests and Response using Burpsuite.
21. Design a sample cyber security dashboard for reporting to Management