

PRE-WORK

Step 1

Understanding the basics

- Understanding the hacker's Lingo: <http://bedaone.blogspot.com/p/chapter-1-introduction-to-ethical.htm>
- Networking: <https://www.geeksforgeeks.org/basics-computer-networking/>
- Computer Security Basics: <http://www.ccl.net/cca/documents/dyoung/topics-orig/security1.html>
- Basic Security Concept: <https://www.prolifics.com/blog/basic-concepts-security>
- Password cracking: https://www.youtube.com/watch?v=RtUvMJFP_IE

Now you have gone through the Networking Basics now test it

Testing your networking skills

- <https://www.proprofs.com/quiz-school/story.php?title=technical-skills-test>

Step 2

Understanding Web Application Vulnerability

- OWASP Top Ten 2017: https://www.owasp.org/images/7/72/OWASP_Top_10-2017_%28en%29.pdf.pdf
- SQL Injection attack and its prevention: <https://medium.com/bugbountywriteup/how-to-write-secure-code-against-injection-attacks-aad4ff058da>
- XSS attack and prevention: - <https://medium.com/@charithra/introduction-to-xss-e9eb90b4323d>
- XSRF attack: <https://medium.com/@xBBsec/csrf-medium-security-dvwa-writeup-f0b5f5c9b160>

Step 3

Understanding Network Security

- Network Security: <https://www.cisco.com/c/en/us/products/security/what-is-network-security.htm>
- Linux Command: - <https://www-uxsup.csx.cam.ac.uk/pub/doc/suse/suse9.0/userguide-9.0/ch24s04.html>
- Port Scanning With Nmap: <https://nmap.org/book/port-scanning-tutorial.html>
<https://hackertarget.com/nmap-cheatsheet-a-quick-reference-guide/>
- Packet Sniffing with Wireshark https://www.youtube.com/watch?v=r0l_54thSYU
- Metasploit: <https://www.offensive-security.com/metasploit-unleashed/exploits/>

Step 4

Understanding the Programming Fundamentals

- SQL:-<https://www.sohamkamani.com/blog/2016/07/07/a-beginners-guide-to-sql/>

- Html: - <https://www.w3schools.com/html/>
- JavaScript: - <https://www.w3schools.com/js/default.asp>

Now you have gone through the Programming Fundamental now test it

Testing your Scripting Skills

- <https://www.hackertest.net/>

Step 5

Understanding Cryptography

- <https://www.synopsys.com/software-integrity/resources/knowledge-database/cryptography.html>

Step 6

Understanding Mobile Security

- <https://appsecwiki.com/#/mobilesecurity>

Cheat Sheets: -These are links that come in handy when you perform different attacks in the labs.

- <https://github.com/OWASP/CheatcomeSheetSeries/tree/master/cheatsheets>
- https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
- https://github.com/OWASP/CheatSheetSeries/blob/master/cheatsheets/Cross_Site_Scripting_Prevention_Cheat_Sheet.md
- <https://portswigger.net/web-security/sql-injection/cheat-sheet>
- https://github.com/OWASP/CheatSheetSeries/blob/master/cheatsheets/SQL_Injection_Prevention_Cheat_Sheet.md
- <https://files.fosswire.com/2007/08/fwunixref.pdf>
- <https://www.loggly.com/wp-content/uploads/2015/05/Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf>
- <https://blogs.sans.org/pen-testing/files/2013/10/NmapCheatSheetv1.1.pdf>
- https://www.sans.org/security-resources/sec560/misc_tools_sheet_v1.pdf

EXTRA STUFF

Books: - In this section, we have provided you with a list of books that would be extremely helpful when you start the course.

- Gray Hat Hacking: The Ethical Hacker's Handbook
- The Code Book: The Science of Secrecy from Ancient Egypt to Quantum Cryptography
- OWASP Testing Guide v4
- Hacking, 2nd Edition: The Art of Exploitation
- HACKING EXPOSED: NETWORK SECURITY SECRETS AND SOLUTIONS, THIRD EDITION
- The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws
- The Art of Deception: Controlling the Human Element of Security
- Cracking Codes with Python

News related to cybersecurity

- <https://thehackernews.com/>
- <https://news.ycombinator.com/>
- <https://www.cshub.com/>

- <https://threatpost.com/>

Blogs and Youtube channel

- <https://null-byte.wonderhowto.com/>
- <https://www.darknet.org.uk/>
- <https://www.hackerone.com/blog>
- <https://www.youtube.com/user/JackkTutorials>
- <https://www.youtube.com/channel/UCIcE-kVhqyiHCcjYwcpfj9w/featured>

Tools

These tools will come in handy while going through the

- Ettercap: - <https://www.thegeekstuff.com/2012/05/ettercap-tutorial/>
- SQL Map: - <https://hackertarget.com/sqlmap-tutorial/>
- Burp suite: -<https://jonathansblog.co.uk/burpsuite-beginners-tutorial>
- John the Ripper: - <https://www.openwall.com/john/doc/EXAMPLES.shtml>
- LOIC: <https://github.com/NewEraCracker/LOIC>-
- Hydra: - <https://null-byte.wonderhowto.com/how-to/hack-like-pro-crack-online-passwords-with-tamper-data-thc-hydra-0155374/>

Gathering Information

- <https://hackernoon.com/https-medium-com-aamralkar-footprinting-and-reconnaissance-e14010b22a89>
- Maltego: - <https://null-byte.wonderhowto.com/how-to/hack-like-pro-use-maltego-do-network-reconnaissance-0158464/>