Way to answer many questions VIEW AND LEARN FROM - <https://gist.github.com/heiswayi/502fd1dd79c985a58c58>

Coding

Sudoku code

Morse code reader (Not straight forward, based on predictions)

Software to detect and remove unnecessary System files. Also removes invalid URL and empty folders

External Information Resources

<https://null-byte.wonderhowto.com/how-to/hack-like-pro-find-exact-location-any-ip-address-0161964/>

<https://null-byte.wonderhowto.com/forum/use-null-byte-study-become-professional-hacker-0159816/>

<https://trailofbits.github.io/ctf/>

<https://www.wonderhowto.com/>

<https://null-byte.wonderhowto.com/how-to/hack-like-pro-crack-passwords-part-4-creating-custom-wordlist-with-crunch-0156817/>

<https://null-byte.wonderhowto.com/how-to/seize-control-router-with-routersploit-0177774/>

Sharemyip.com

Definitions

Shellcode

Parallel computing

Ethical Hacking

Web application Security

PGP

SSL

Snort

Payloads (Sending them)

Enterprise security risk management

System Security

Reverse Engineering

Tool Development

LST filetype

Zone transfer

Malware Analysis

Defense Security

Wireless Security

Software Security

Digital Forensics

Cookies

Session ID

Webshells

File signatures

OSSTM and PTES methodologies

LLVM – OSX disassembler

Jailbreaking a phone

External Practice Websites

Overthewire

Redteams.net

Smash the stack

<https://www.hackthis.co.uk/>

Hellbound hackers

<https://www.vulnhub.com/resources/>

Metasploit VM

<http://www.computersecuritystudent.com/UNIX/FEDORA/lesson1/index.html>

<https://pentestbox.org>

<https://captf.com/practice-ctf/>

<https://www.endgame.com/blog/technical-blog/how-get-started-ctf>

Attacks

DNS Changer

PHP Vulnerabilities

Arp Cache catching

Automated XSS Scripting

SQL injections

Steal Cookies through XSS or packet sniffing

Creating a zeroday

Encrypting executables

Scan website for vulnerabilities (Firewall)

Questions

Browser History (Finding, Viewing, Deleting); Firefox (Advance Cookie Manager to manipulate cookies)

How to open up (unavailable) ports on a website

How does archiving on 7z work

How does Bluetooth pairing work

How is TCP connection created

Executing a file in cmd

How to add Linux/windows user through Terminal/cmd

How to create and maintain a permenant backdoor

How to escalate power or cat etc/passwd

Net Local Group Administrator username /add

How to get past NC Challenges

More

SANS & Rob Lee

Guarentee authentication (On infected machines)

DEEP image search: <https://www.pyimagesearch.com/2014/11/10/histogram-oriented-gradients-object-detection/>

<https://www.youtube.com/watch?v=BcDbKlz06no>

<https://www.youtube.com/watch?v=BQPkRlbVFEs>

<https://www.youtube.com/watch?v=P2_2ArKPzds&list=PLt_Hvzh8oeR5S27UaoKDx2qqYZcpokGL5&index=4>

<https://developer.nvidia.com/how-to-cuda-python>

<https://www.anaconda.com/distribution/>

Metasploit and Wireshark , zero day book

copying partition images, and netcat instances

Get into hacking communities

Involved in oswpa derbycon

Black hat.com

NSA.gov/ia/acedemic\_outreach/

Nat\_cae/index.html

We.penetration-standard.org

Owasp top ten projects

Metasploit unleashed

De-Ice

Heorot.net/livecds

Pass the hash?

Movie swordfish

SQL Map