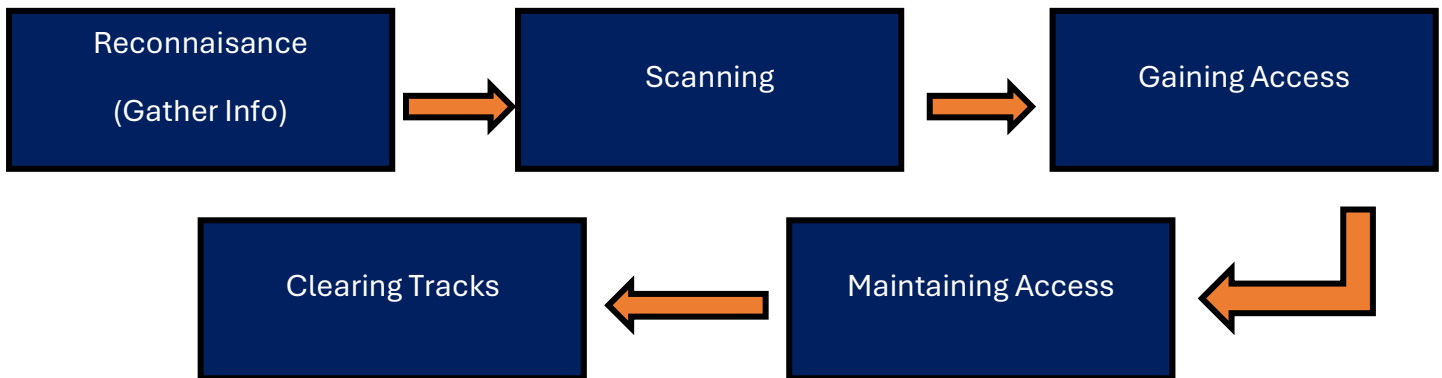


## DAY 2

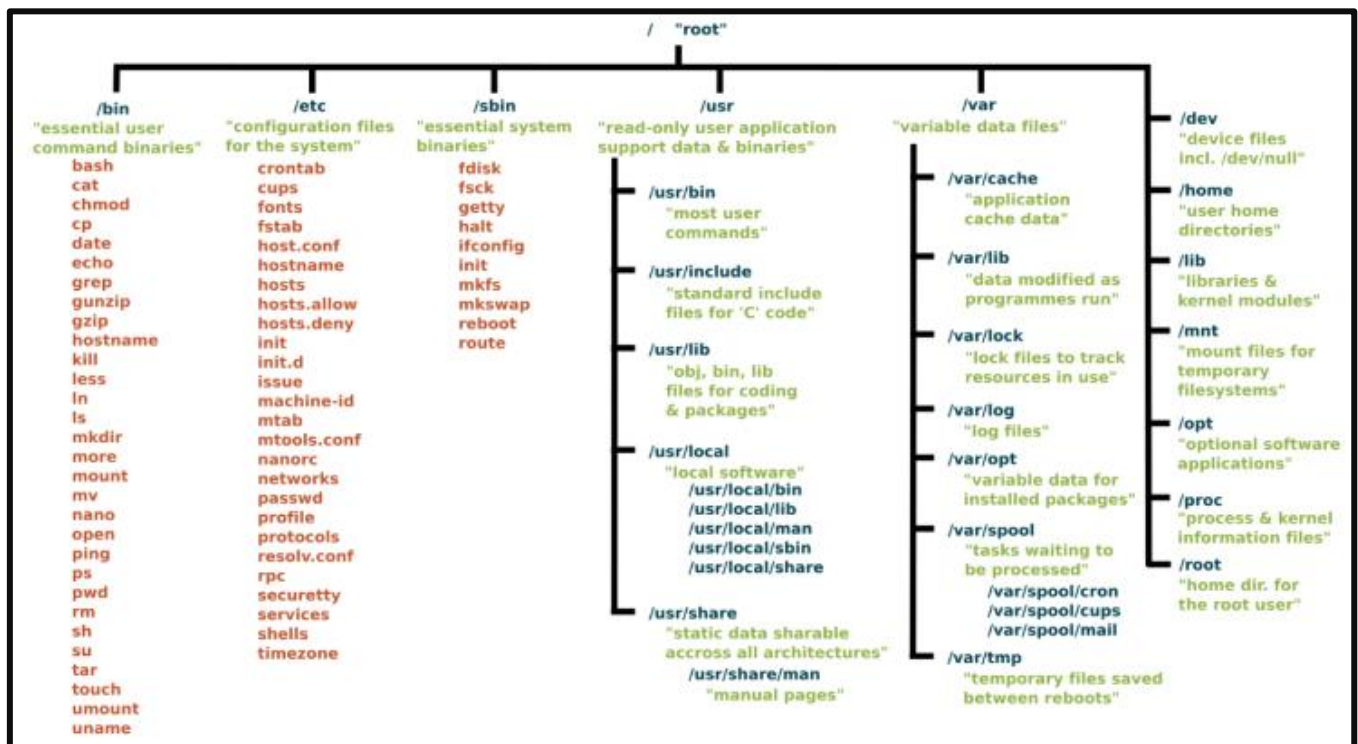
### PHASES OF HACKING



**File:** collection of related data stored on a computer. It can be anything from a document, image, video, or program. Think of it as a digital container for information.

**Directory:** A directory, also known as a folder, is a container for files and other directories. It helps organize files on a computer, making it easier to find and manage them.

### LINUX FILE SYSTEM / DIRECTORY

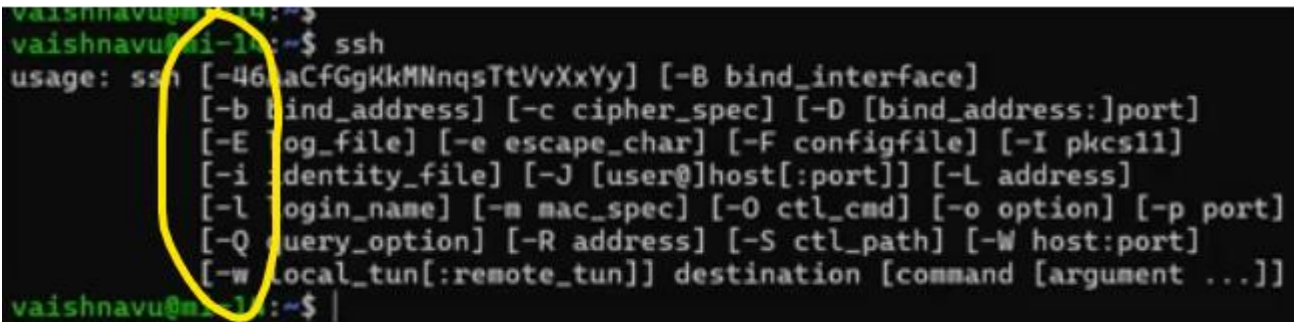


**Raspberry Pi:** A single board small, low-cost computer where we can run different machines like Linux, windows OS, mac OS, etc. It is a tiny versatile computer that is often used for learning programming, building DIY projects, and even as a home media centre.



## SSH

**Secure Shell protocol** is a method for securely sending commands to a remote computer over an unsecured network. It uses cryptography to authenticate and encrypt connections between devices. It has 'optional arguments' which are to be used in commands.

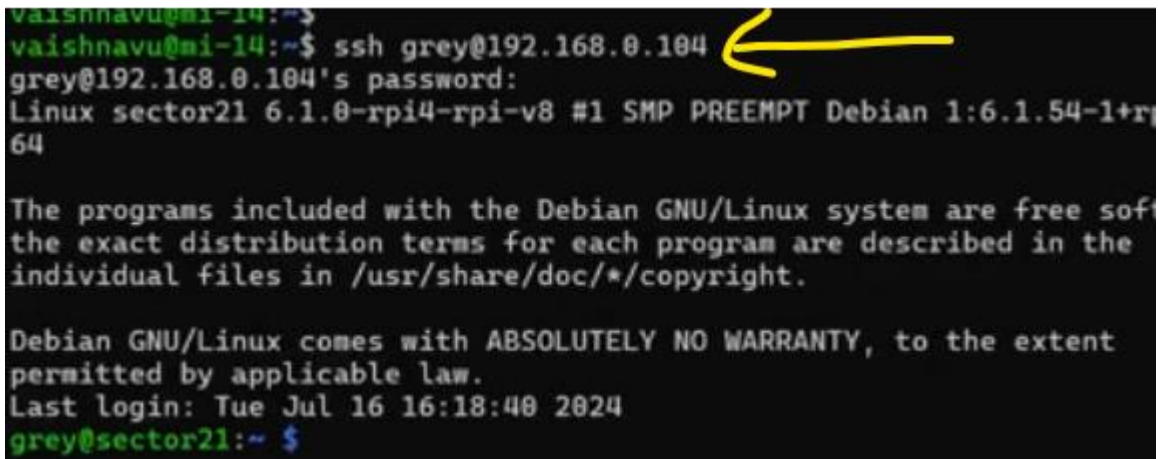


```
vaishnavu@mi-14:~$ ssh
usage: ssh [-46aCfGgKkMNnqsTtVvXxYy] [-B bind_interface]
          [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
          [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
          [-i identity_file] [-J [user@]host[:port]] [-L address]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
          [-w local_tun[:remote_tun]] destination [command [argument ...]]
vaishnavu@mi-14:~$
```

`:- optional arguments`

- To connect to a system:

**ssh username@ip\_address**



```
vaishnavu@mi-14:~$ ssh grey@192.168.0.104
grey@192.168.0.104's password:
Linux sector21 6.1.0-rpi4-rpi-v8 #1 SMP PREEMPT Debian 1:6.1.54-1+r
64

The programs included with the Debian GNU/Linux system are free soft
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Jul 16 16:18:40 2024
grey@sector21:~$
```

To install Linux on Windows: search 'wsl install in windows 10/11' and click the first article link by Microsoft Learn and follow along.