Tree

```
44  apt update
45  apt install tree
46  tree
```

Hierarchical view of directory

1. **/root -** contains all other directories and files

2. **/bin ->** executable files , Essential binary files which are accessible to all users, These files are
   required for basic functioning and for various system operations and user interactions.

3. **/boot ->** Files required for boot process, including kernel , boot loader and initial ram disk
   We want to load operating System and prepare the system to use , all the files required for booting
   are stored in boot directory

4. **/div ->** device files representing the physical and virtual devices such as harddrives, printers, cpu...

5. **/etc ->** The system configuration files for various applications and services.
   - config -> behavior , functionality and appears of the application

6. **/lib ->** libraries required in binary /by

7. **/mnt, /media ->** Temporary mounted files
   - /mnt -> temporary file attachment systems , eg: External drives, network share,
   - //media -> Temporary mount system for Removable media eg: usb , optical disk , external hard drives

8. **/opt ->** for storing optional packages

9. **/sys ->** Exposes informations about system hardware and devices

10. **/tmp ->** Temporary files created by users and applications

11. **/usr ->** user programs and libraries

12. **/var ->** Variable data that changes frequently such as log files and cache files