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The Pipe is a command in Linux that lets you use two or more commands, such that output of one command serves as input to the next.

```
head -5 f10 | tail -1
```

```
date | wc -l
```

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```
d1
```

```
----- d2
```

```
-----d3
```

```
-----d4
```

An APT repository is a collection of packages

APT repository allows you to perform package install, removal, upgrade operations on individual packages.

```
tree d1
```

To install packages

```
apt-get install packagename
```

Step 1: Update apt repository

Step 2: Install the package

Syntax of Step 1: Update apt repository

```
sudo apt-get update
```

Syntax of Step 2: Install the required package

```
sudo apt-get install package_name
```

```
sudo apt-get install tree
```

To remove the package

```
sudo apt-get remove tree
```

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Vi Editor

Basic editor in linux

To create a file

i - to go to insert mode

:wq -- save and exit

:q! -- exit without saving

Default mode - command mode

Esc - to come out of insert mode to command mode

dd - to delete a line

yy -- to copy the line

p - to paste below

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What is Git?

Git is a Version controlling tool / SCM tool. (Source code mgmt tool)

Version control systems are tools that help a software team manage changes to source code over time.

For almost all software projects, the source code is like the crown jewels - a precious asset whose value must be protected.

VCS are sometimes known as SCM (Source Code Management) tool.

Most widely used modern version control system in the world today is Git.

Git is a mature, actively maintained open source tool originally developed in 2005 by Linus Torvalds, the famous creator of the Linux operating system kernel.

Two types Version Controlling

1) Centralized Version controlling

2) Distributed Version controlling

Git is Distributed Version controlling.