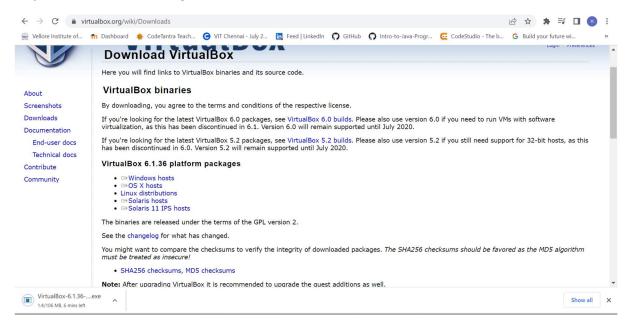
Principles of Cloud Computing

Tejas Rahul Rokade 20BDS0033

LAB-1

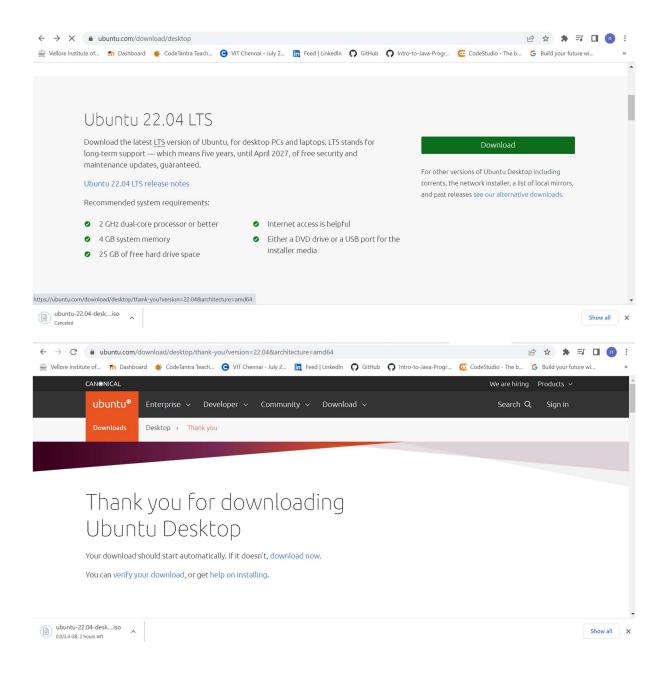
Using the below link download and install the oracle virtual box

https://www.virtualbox.org/wiki/Downloads

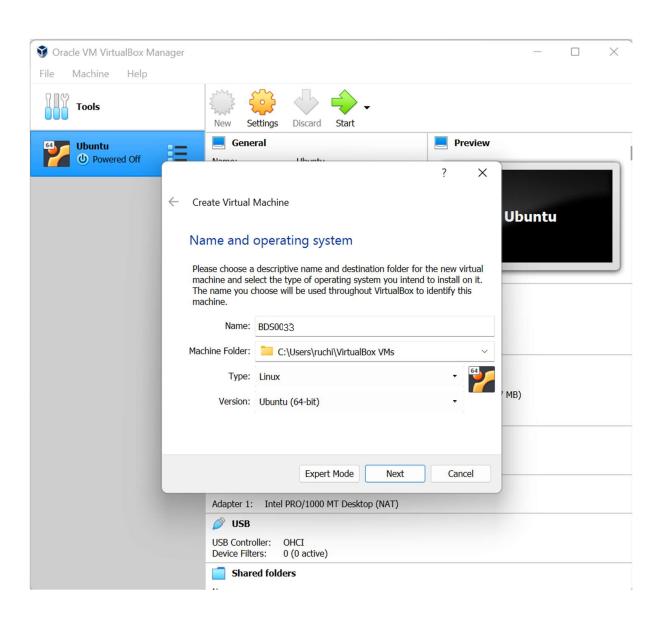


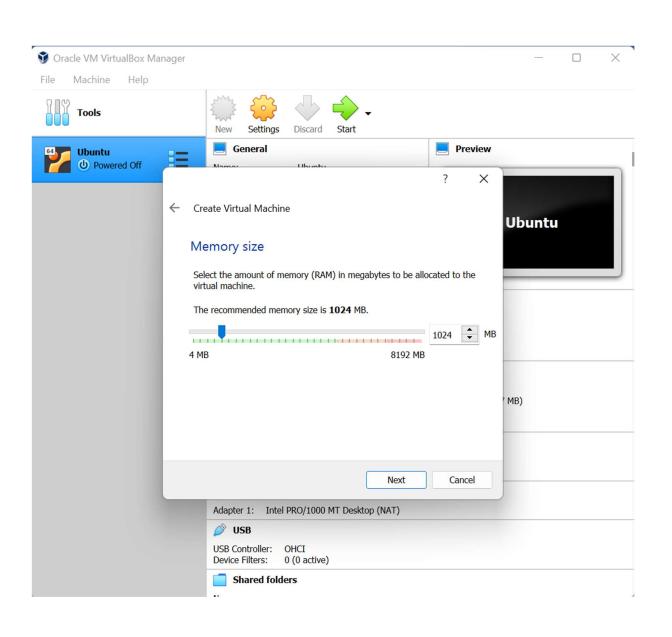
Download the ubuntu OS using the given below link

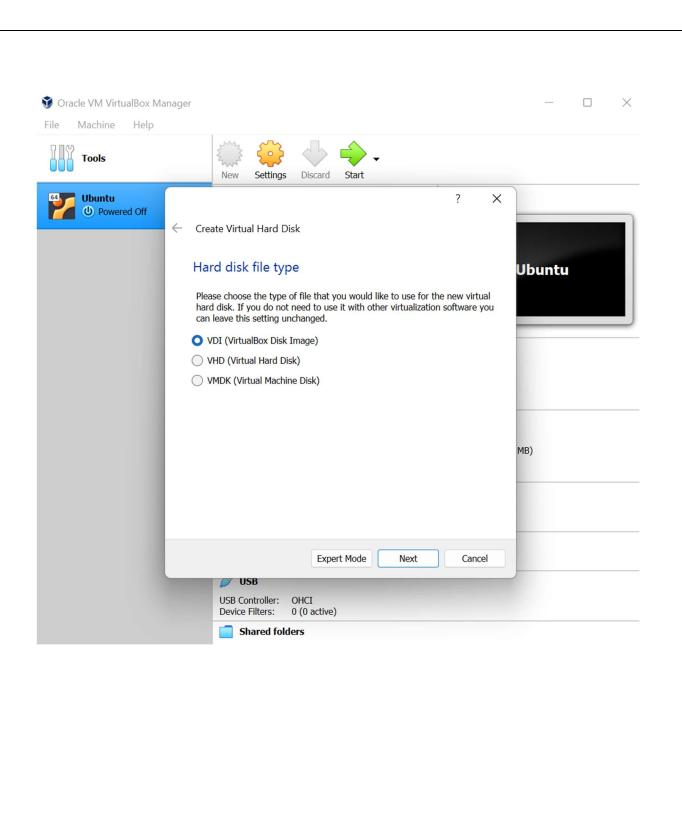
https://ubuntu.com/download/desktop

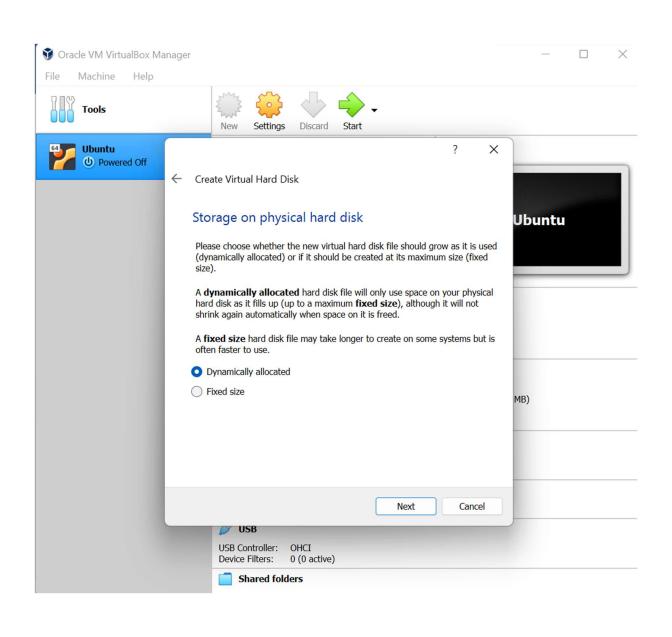


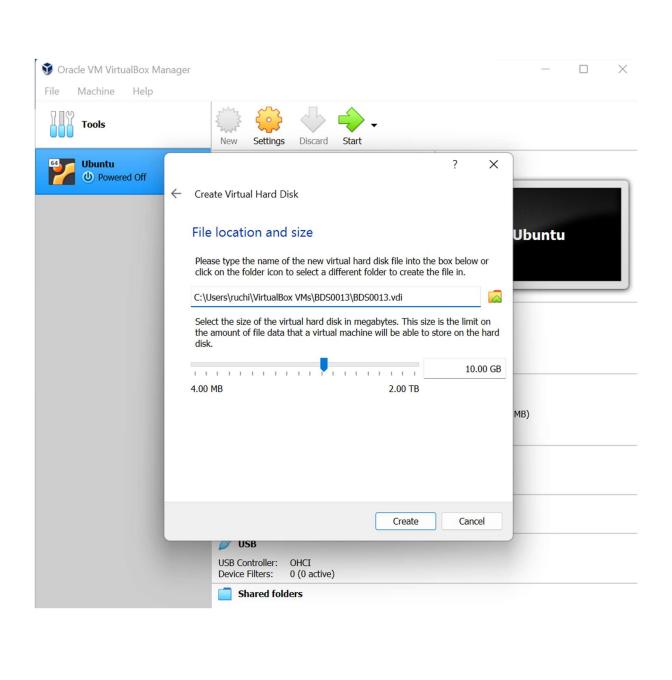
iso file will be downloaded using this

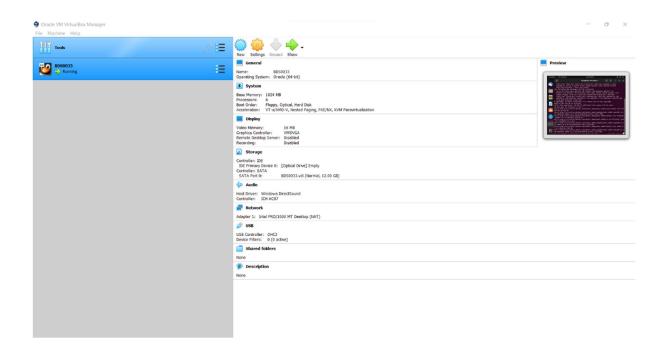


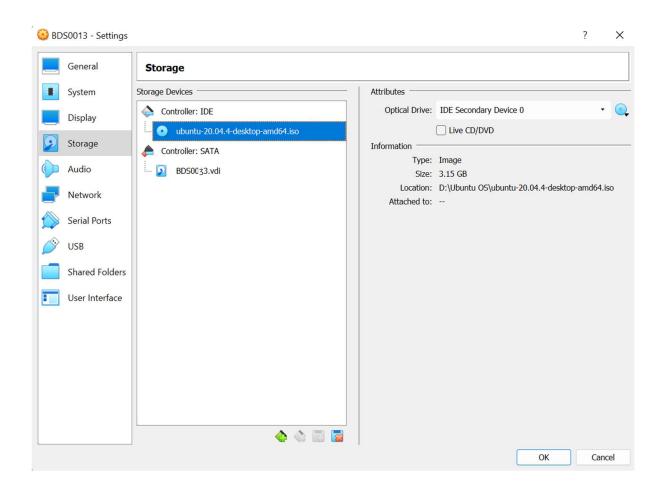


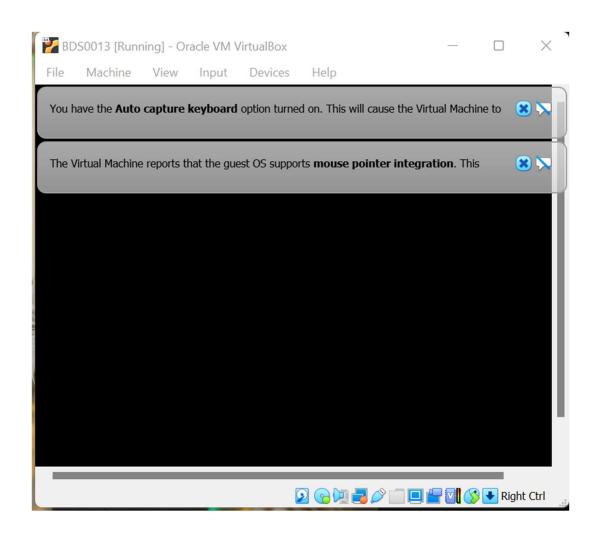




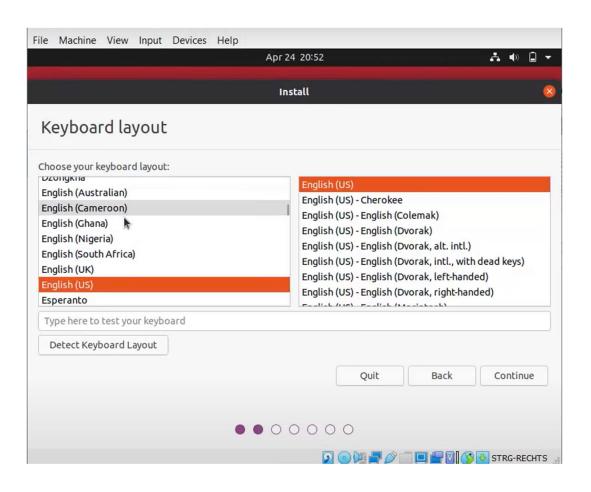


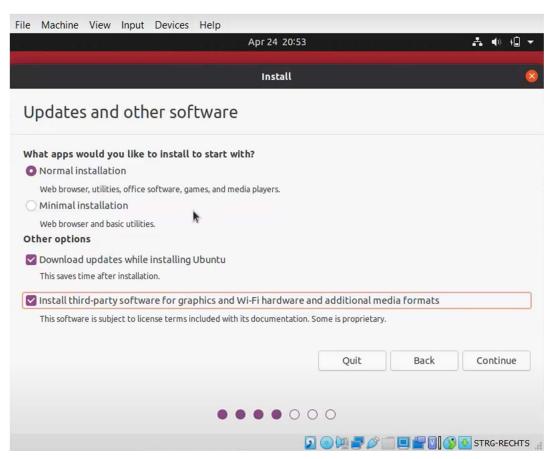


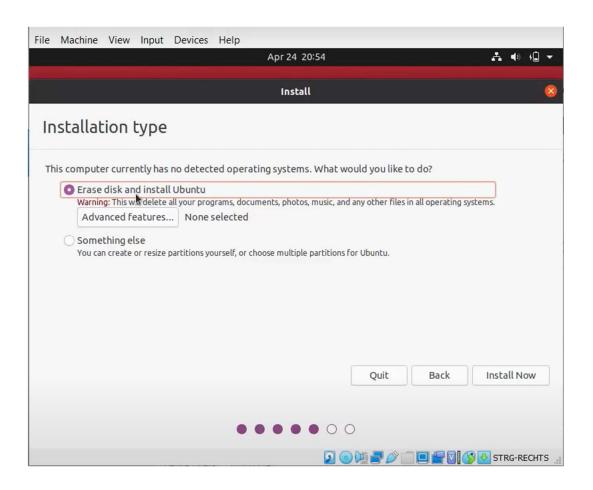


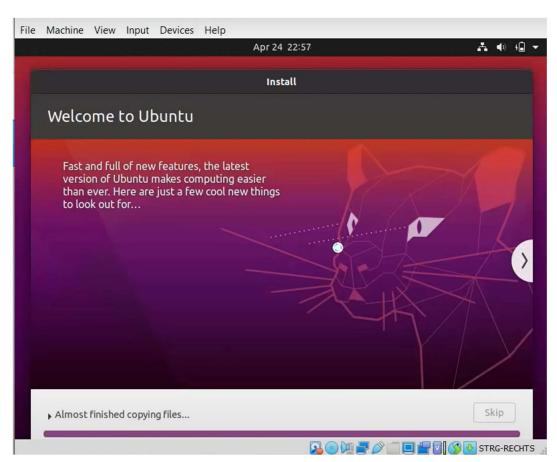


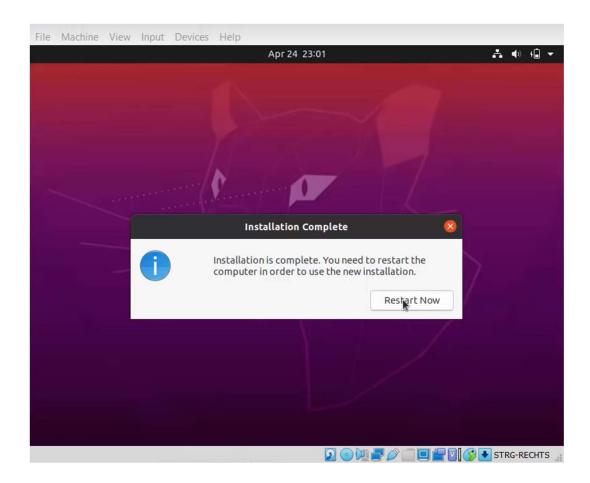




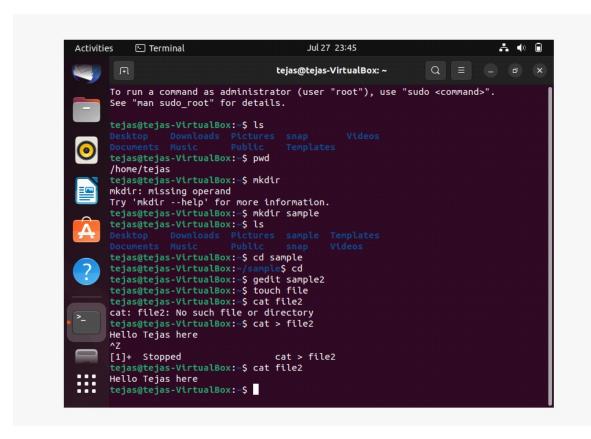






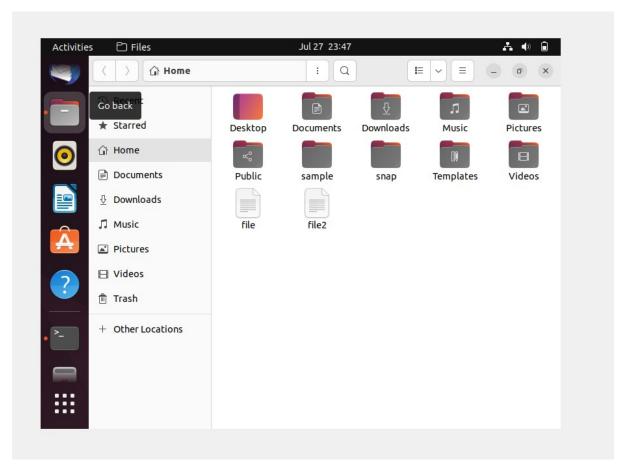


Linux Commands:

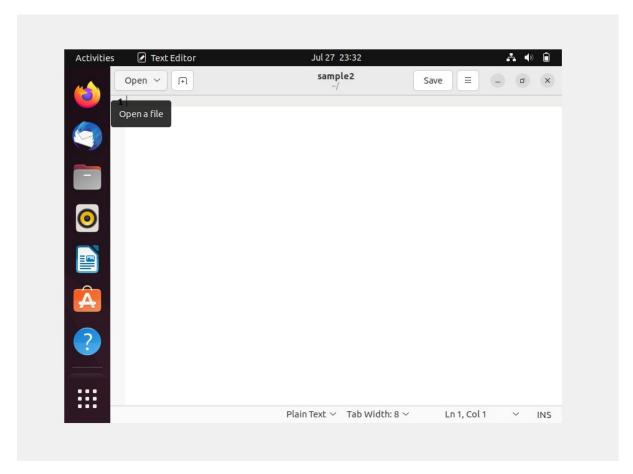


Mkdir

tejas@tejas-VirtualBox:-\$ mkdir sample

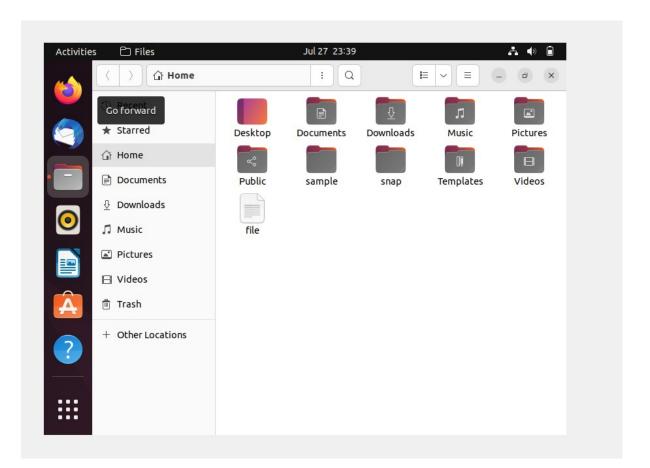


Gedit



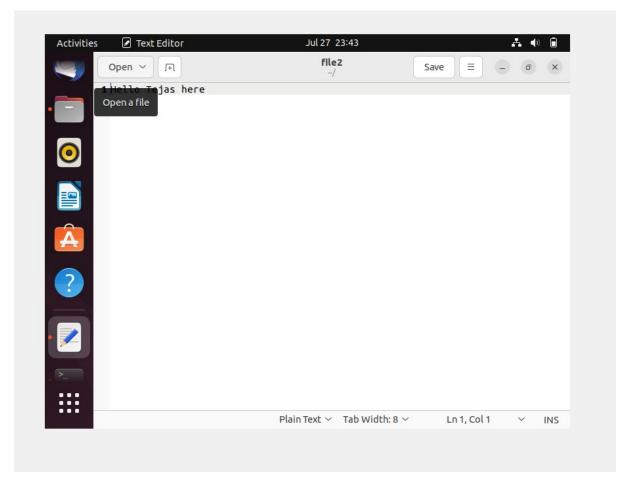
Touch

tejas@tejas-VirtualBox:-\$ touch file



Cat

```
tejas@tejas-VirtualBox:~$ cat > file2
Hello Tejas here
^Z
[1]+ Stopped cat > file2
tejas@tejas-VirtualBox:~$ cat file2
Hello Tejas here
tejas@tejas-VirtualBox:~$
```



Μv

```
tejas@tejas-VirtualBox:-$ mkdir f1 f2
tejas@tejas-VirtualBox:-$ ls

Desktop Downloads f2 file2 new Public snap Videos

Documents f1 file Music Pictures sample Templates

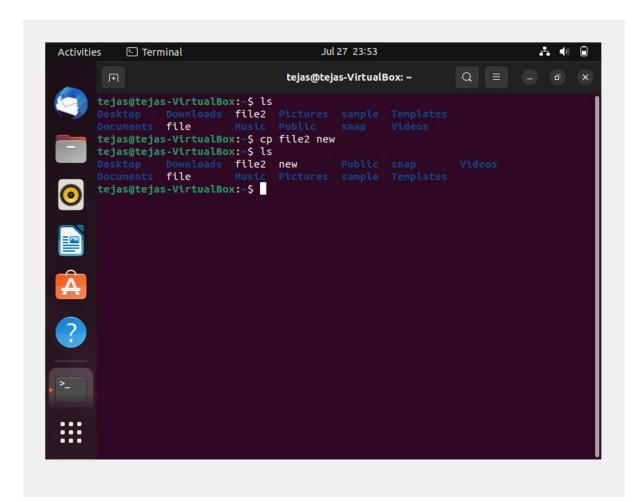
tejas@tejas-VirtualBox:-$ sudo mv f2/ f1
tejas@tejas-VirtualBox:-$ ls

Desktop Downloads file Music Pictures sample Templates

Documents f1 file2 new Public snap Videos
tejas@tejas-VirtualBox:-$ cd f1
tejas@tejas-VirtualBox:-/f1$ ls

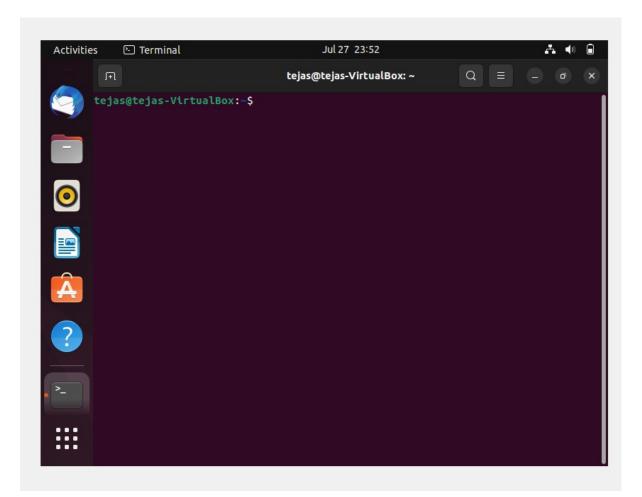
f2
tejas@tejas-VirtualBox:-/f1$
```

Ср



Clear

tejas@tejas-VirtualBox:-\$ clear



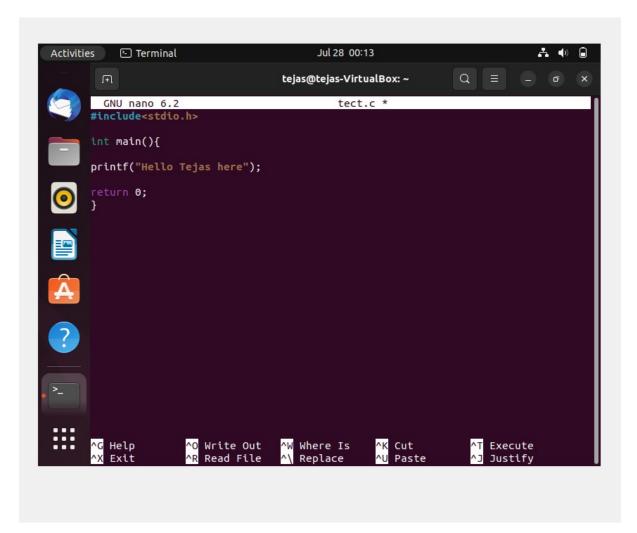
Nano

```
tejas@tejas-VirtualBox:~$ ls

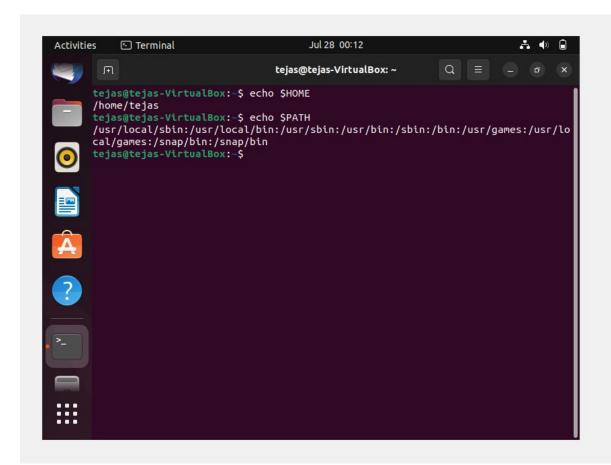
Desktop Downloads file2 Music Pictures snap Templates

Documents f1 hello.c new Public tect.c Videos

tejas@tejas-VirtualBox:~$
```



Echo



Rm

```
tejas@tejas-VirtualBox:~$ ls

Desktop Downloads file Music Pictures sample Templates

Documents f1 file2 new Public snap Videos

tejas@tejas-VirtualBox:~$ rm file

tejas@tejas-VirtualBox:~$ ls

Desktop Downloads file2 new Public snap Videos

Documents f1 Music Pictures sample Templates

tejas@tejas-VirtualBox:~$ rm -r sample

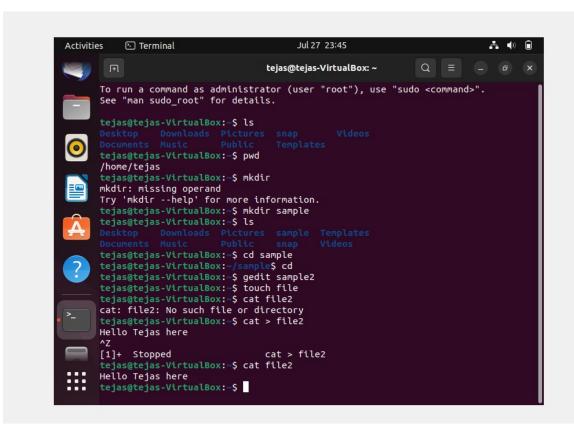
tejas@tejas-VirtualBox:~$ ls

Desktop Downloads file2 new Public Templates

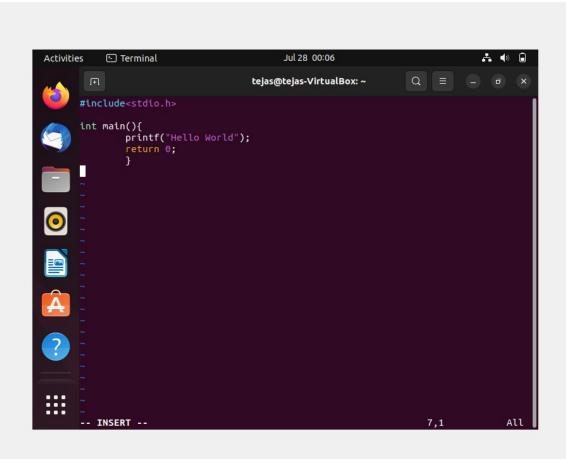
Documents f1 Music Pictures snap Videos

tejas@tejas-VirtualBox:~$
```

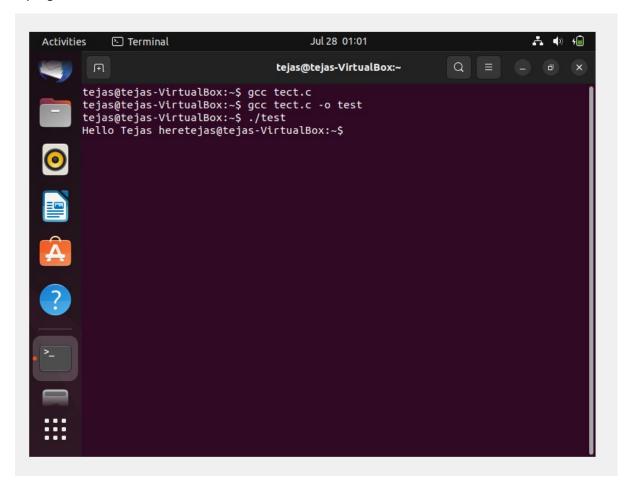
Multiple commands



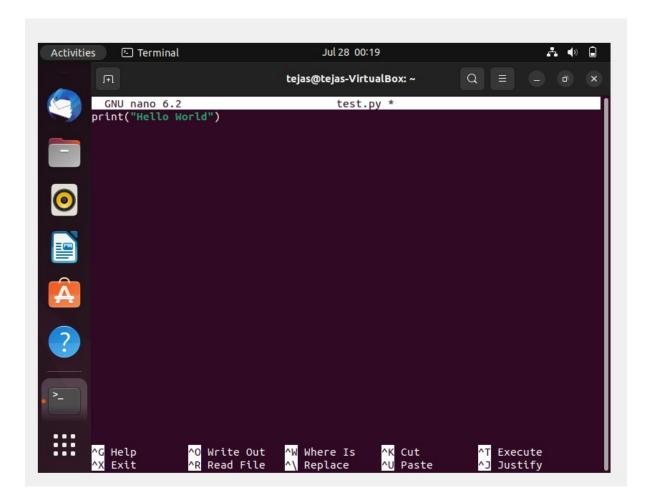
Vi

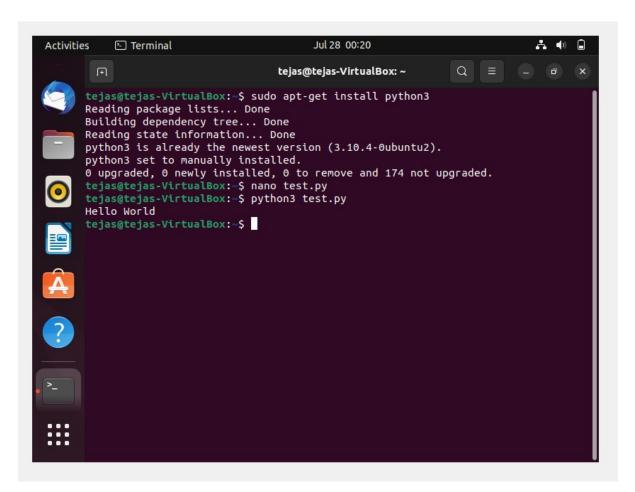


C program



Python





Java

```
✓ Text Editor
                                         Jul 28 00:54
                                                                            Activities
                                          hello.java
        Open ~
                                                                     \equiv
                                                                        _ @ X
                 1
                                                             Save
       1 //Hello World
       2 public class hello {
                        public static void main( String[] args){
                        System.out.println("Hello World tejas here");
       5
       6 }
                                                                Ln 3, Col 30 V INS
                                         Java V Tab Width: 8 V
```

```
tejas@tejas-VirtualBox:~$ java --version
openjdk 11.0.15 2022-04-19
OpenJDK Runtime Environment (build 11.0.15+10-Ubuntu-Oubuntu0.22.04.1)
OpenJDK 64-Bit Server VM (build 11.0.15+10-Ubuntu-Oubuntu0.22.04.1, mixed mode, sharing)
tejas@tejas-VirtualBox:~$ sudo update-alternatives --config java
There is only one alternative in link group java (providing /usr/bin/java): /usr/lib/jvm/java-11-openjdk-amd64/bin/java
Nothing to configure.
tejas@tejas-VirtualBox:~$ sudo gedit /etc/profile
```

```
tejas@tejas-VirtualBox:~$ source /etc/profile
tejas@tejas-VirtualBox:~$ echo $JAVA_HOME
usr/lib/jvm/java-11-openjdk-amd64
tejas@tejas-VirtualBox:~$ touch hello.java
tejas@tejas-VirtualBox:~$ ls
                     hello.java Pictures tect.c
Documents file2 Musi
Downloads hello.c new
                                           test.py
tejas@tejas-VirtualBox:~$ gedit hello.java
tejas@tejas-VirtualBox:~$ javac hello.java
hello.java:3: error: <identifier> expected
                public statis void main( String[] args){
1 еггог
tejas@tejas-VirtualBox:~$ javac hello.java
tejas@tejas-VirtualBox:~$ ls
                     hello.class new
                                                         test.py
Documents file2
                    hello.java
                                  Pictures tect.c
Downloads hello.c Music
tejas@tejas-VirtualBox:~$ java hello
Hello World tejas here
tejas@tejas-VirtualBox:~$
```