| Name | Mohammad Faraz M Khan |
|---|---|
| Enrolment Number | A70405219039 |
| Experiment Number | 2 |
| Batch | 1 |

**AIM OF THE EXPERIMENT:** Install Oracle VM and install Ubuntu LTS 20.04.5. Execute the commands for creation of a directory, adding the files in directory and shell script to display a message.

**Steps to install Oracle VM:**

1. Open the VirtualBox website. Go to https://www.virtualbox.org/ in Internet browser.



2. Click on Download VirtualBox option which opens the downloads page. Click on the options available in VirtualBox platform packages, based on your OS. The VirtualBox EXE file will begin downloading onto your computer.
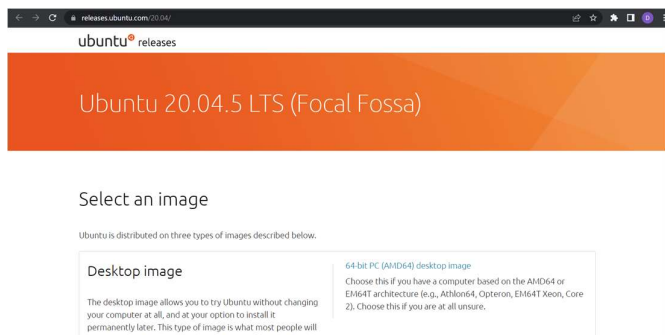


3. Open the VirtualBox EXE file, which will open the VirtualBox installation window.
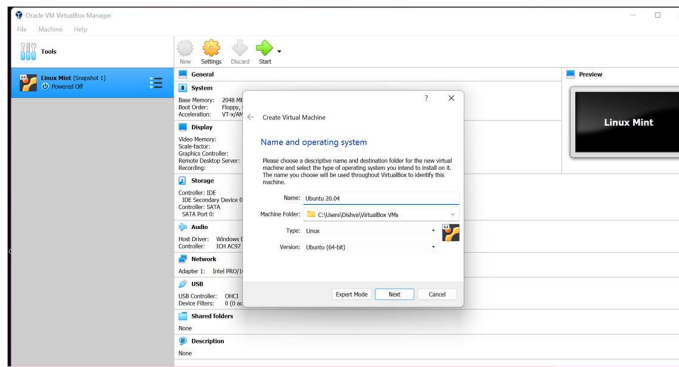
4. Navigate through the installation prompts.
   - Click Next on the first three pages.
   - Click Yes when prompted.
   - Click Install
   - Click Yes when prompted.

5. Click Install when prompted, which will allow VirtualBox to begin installing on your computer.

6. Click Finish when prompted, which will close the installation window and open VirtualBox.
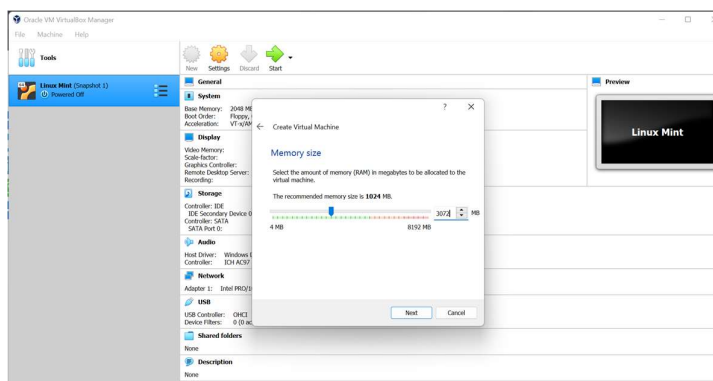
**Steps to Ubuntu LTS 20.04.5:**

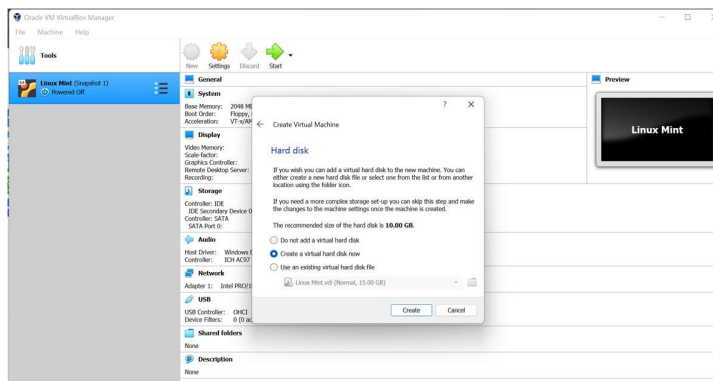1. Go to https://releases.ubuntu.com/20.04/ and download Ubuntu iso image file version 20.04.5.



2. Create new virtual machine on Oracle VM by clicking on New. Specify name, Machine Folder (to save),Type and version for your virtual machine and click on Next.
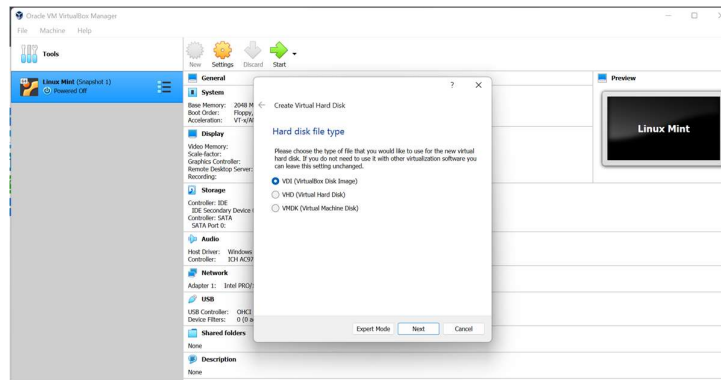
3. Choose the base memory based on your host system RAM size. Specify RAM size and click on Next.
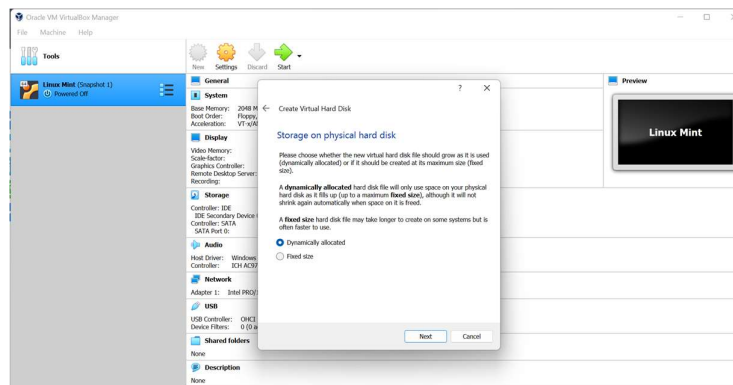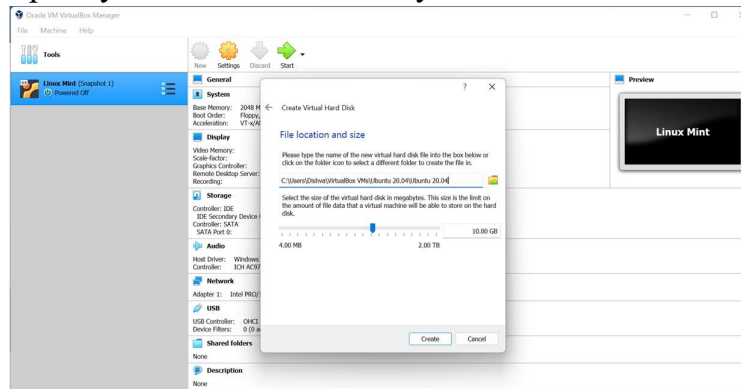


4. Click on Create.



5. Click on Next.

6. Click on Next.



7. Specify size of hard disk for your virtual machine and click on Create.



8. Click on settings to see the system information of your virtual machine. Load Ubuntu ISO Image file to your virtual machine. Go to storage section and click on Empty then load your ubuntu 20.04 iso image from your local machine, select ubuntu 20.04 iso image and click on open. The Ubuntu 20.4 iso image has been loaded successfully to your virtual machine and click on ok.

# Ubuntu - Settings

? ✕

## Storage

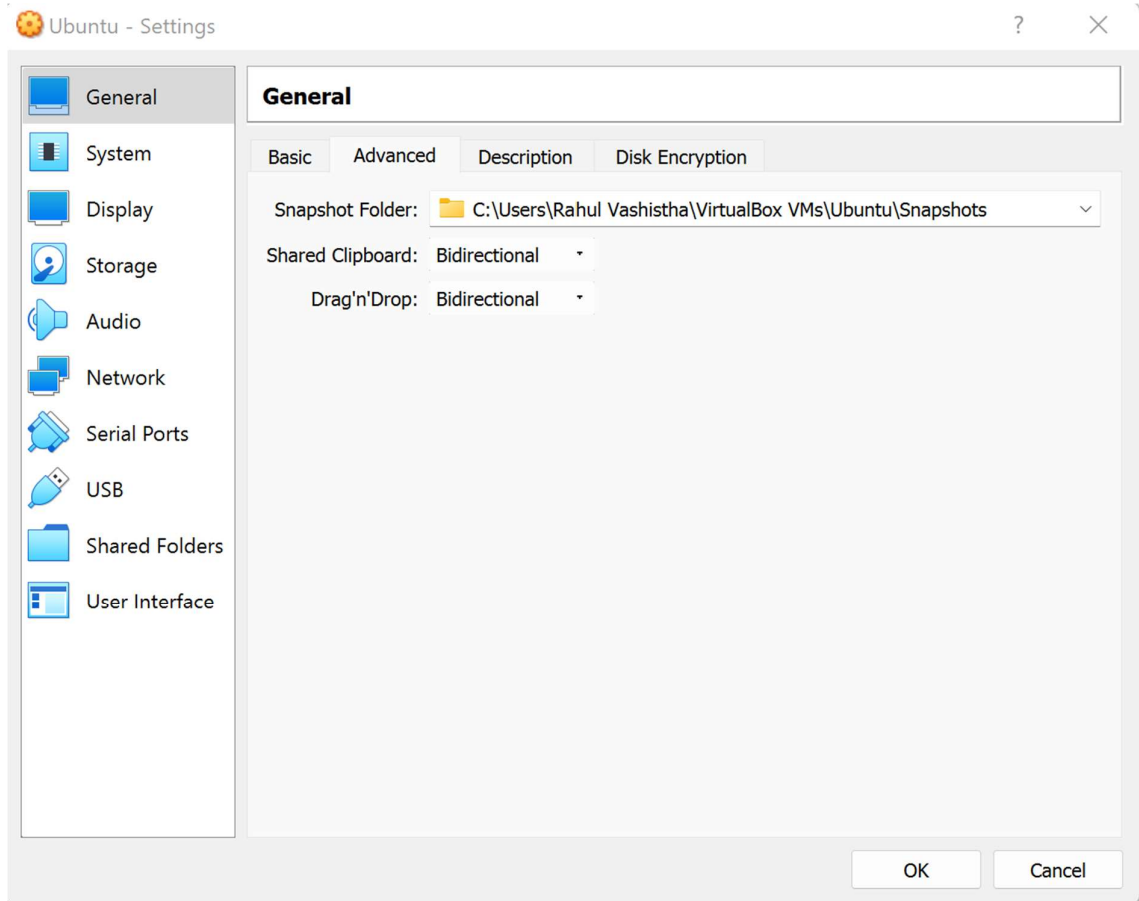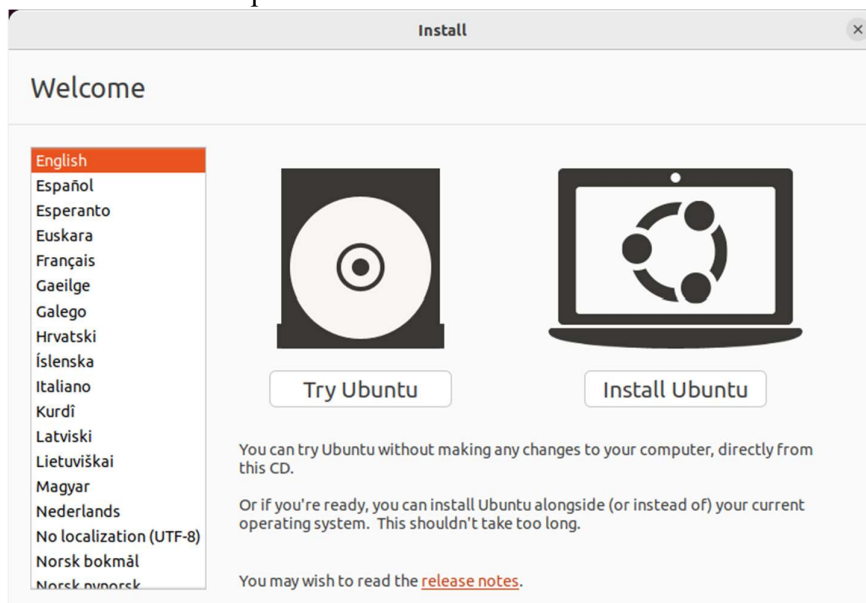| | |
|---|---|
| General | **Storage** |
| System | |
| Display | **Storage Devices** |
| Storage | |
| Audio | Controller: IDE |
| Network | ⊙ ubuntu-22.04.1-desktop-amd6... |
| Serial Ports | Controller: SATA |
| USB | Ubuntu.vdi |
| Shared Folders | |
| User Interface | |

**Attributes**

Name: IDE

Type: PIIX4 ▾
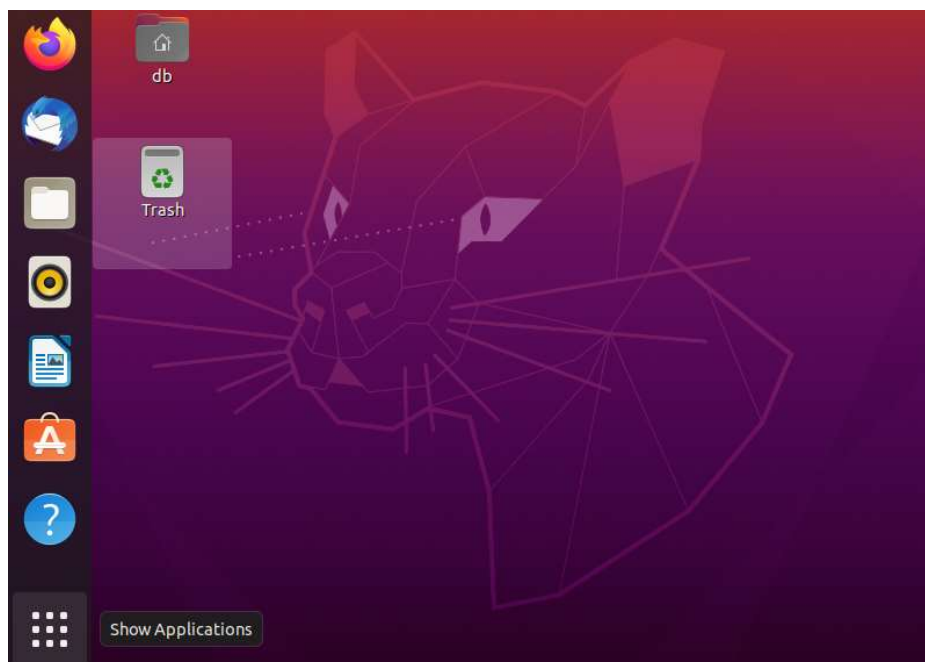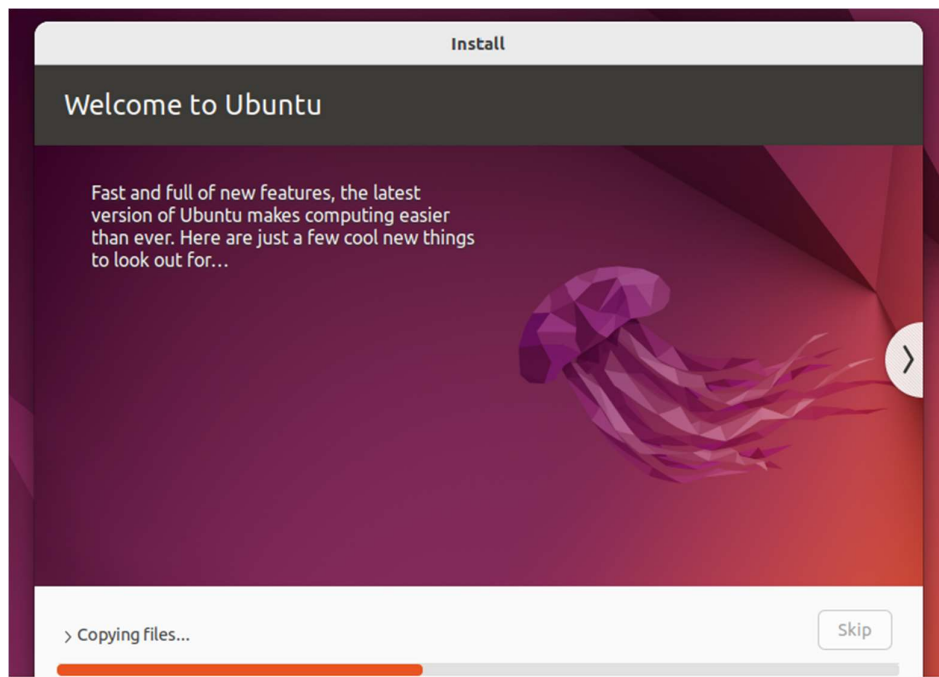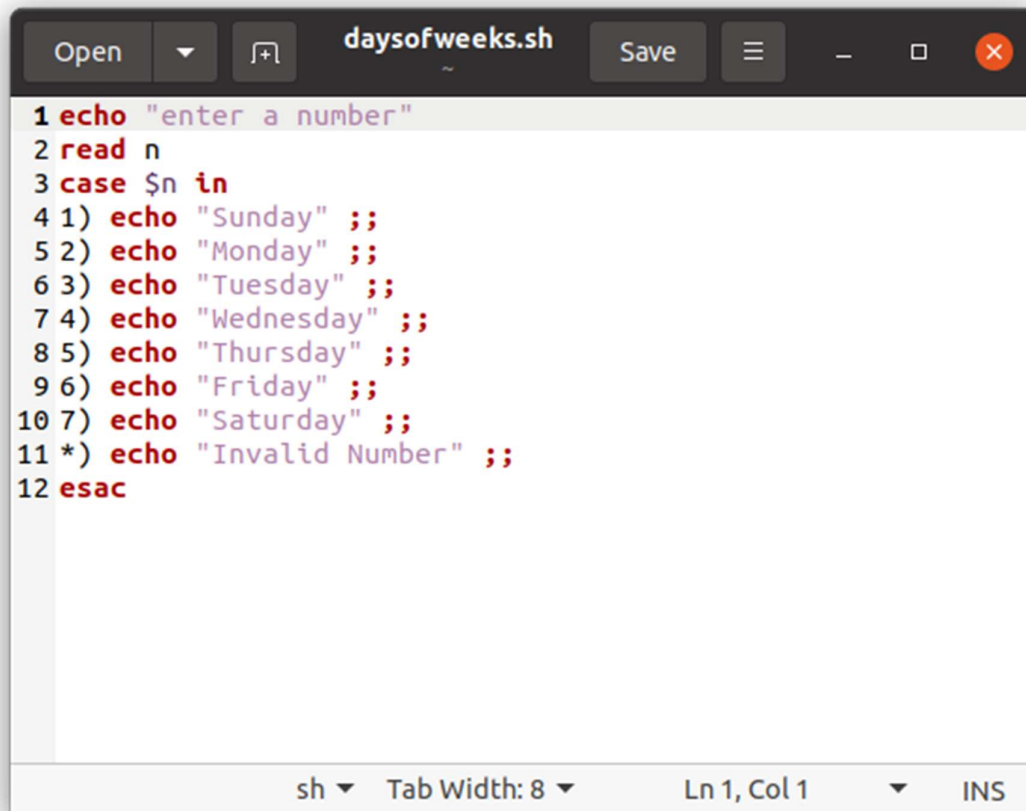
☑ Use Host I/O Cache

OK    Cancel

9. Click on Start to start the installing ubuntu. Install Ubuntu 20.04.1 LTS in Virtual Machine. After completion of installation restart the virtual machine.

**Execution of Commands:**

```
daysofweeks.sh

1 echo "enter a number"
2 read n
3 case $n in
4 1) echo "Sunday" ;;
5 2) echo "Monday" ;;
6 3) echo "Tuesday" ;;
7 4) echo "Wednesday" ;;
8 5) echo "Thursday" ;;
9 6) echo "Friday" ;;
10 7) echo "Saturday" ;;
11 *) echo "Invalid Number" ;;
12 esac
```
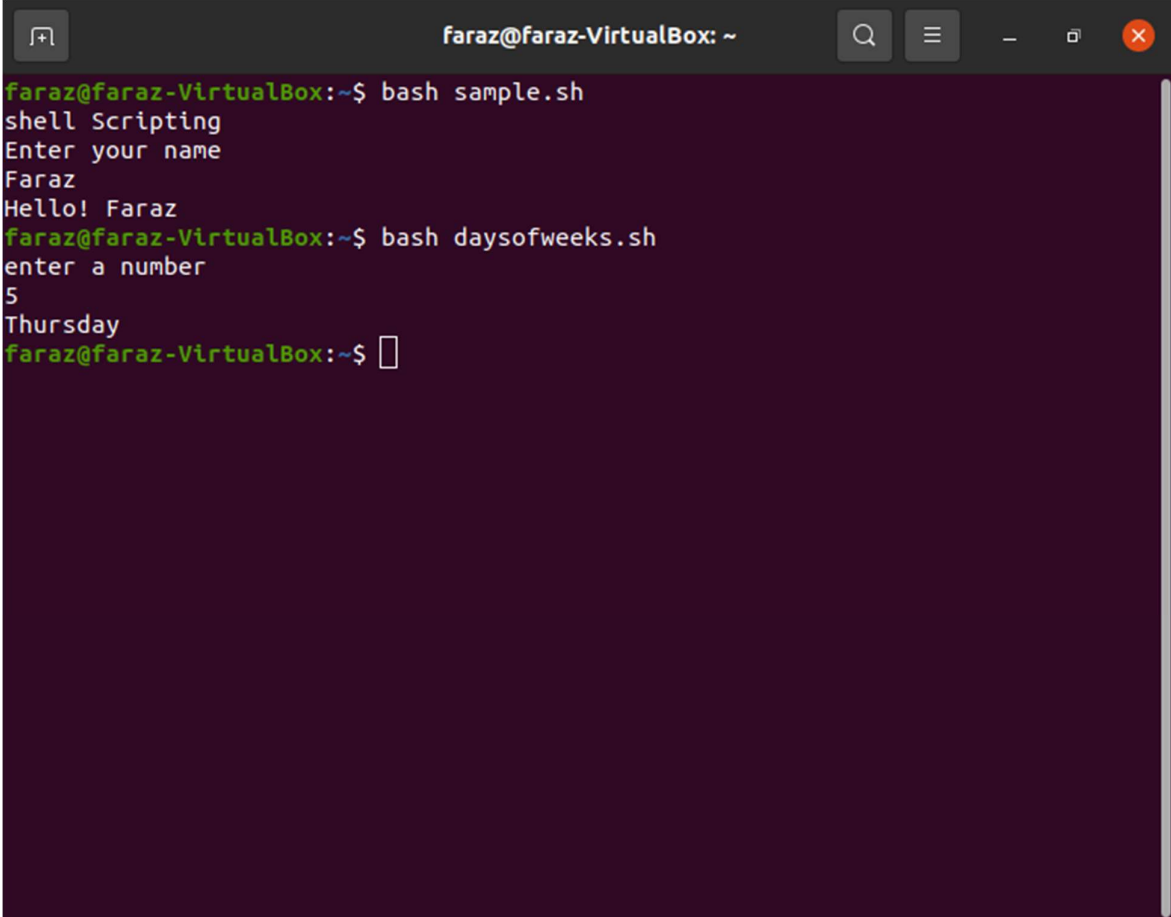
```
sample.sh
~/Documents/CC

1 echo "Shell Scripting"
2 echo "Enter your name"
3 read str
4 echo "Hello!" $str
```

```
faraz@faraz-VirtualBox:~$ bash sample.sh
shell Scripting
Enter your name
Faraz
Hello! Faraz
faraz@faraz-VirtualBox:~$ bash daysofweeks.sh
enter a number
5
Thursday
faraz@faraz-VirtualBox:~$ 
```