Ex. No. 1

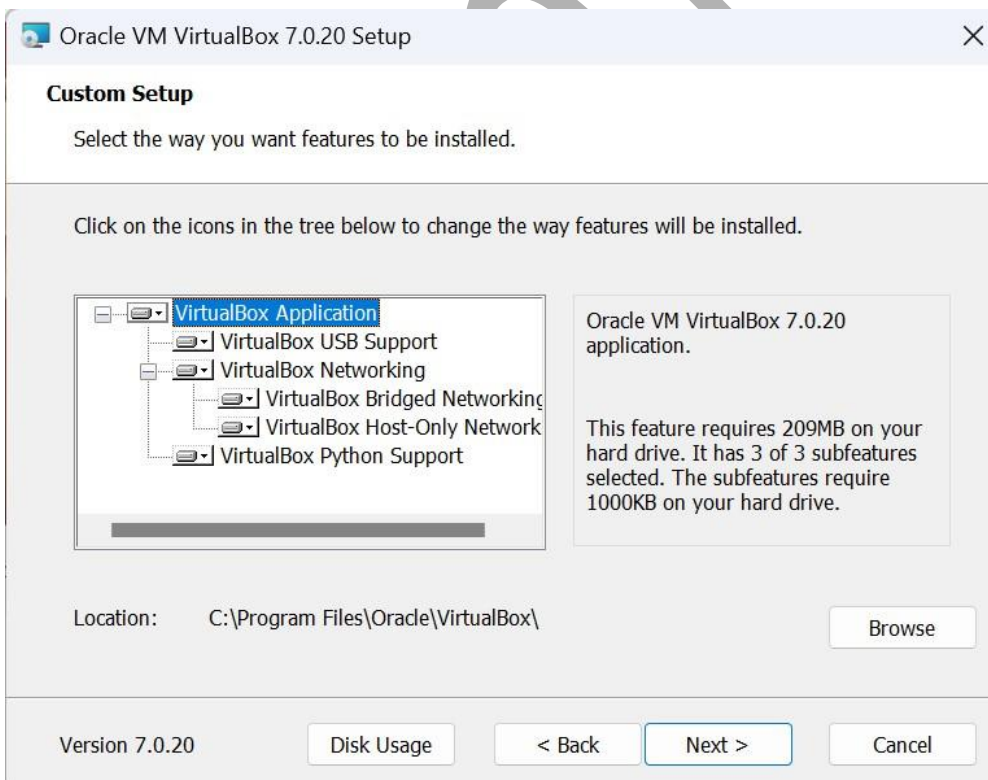# INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

AIM:

To configure a Virtual Machine using Virtual Box and Launch to execute a simple program
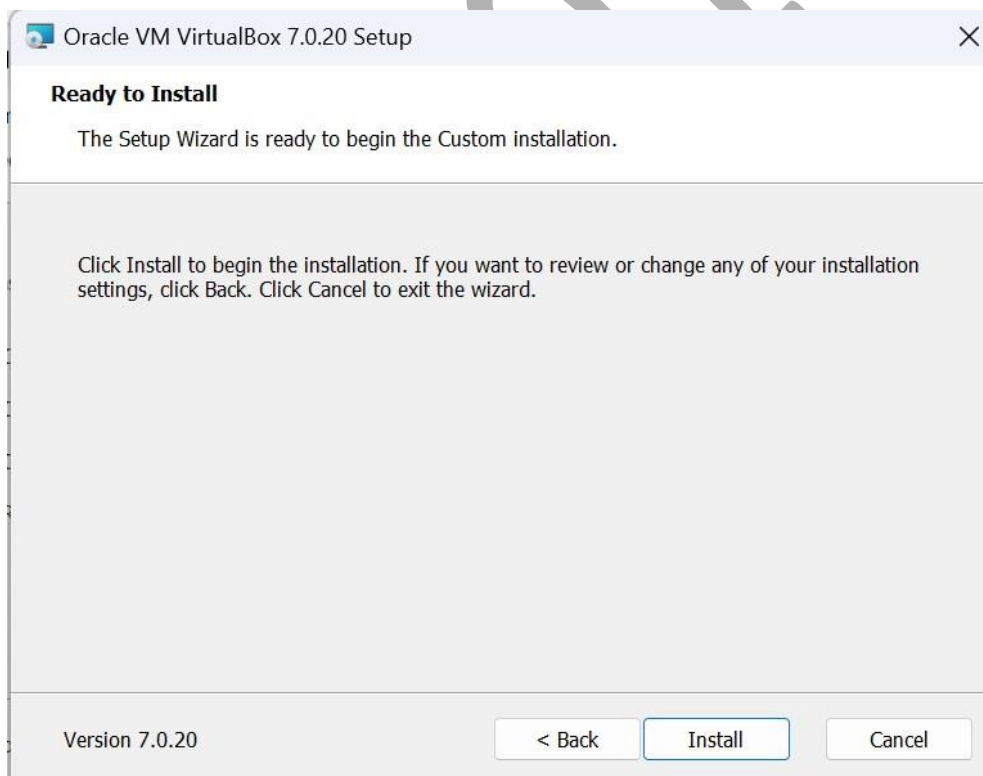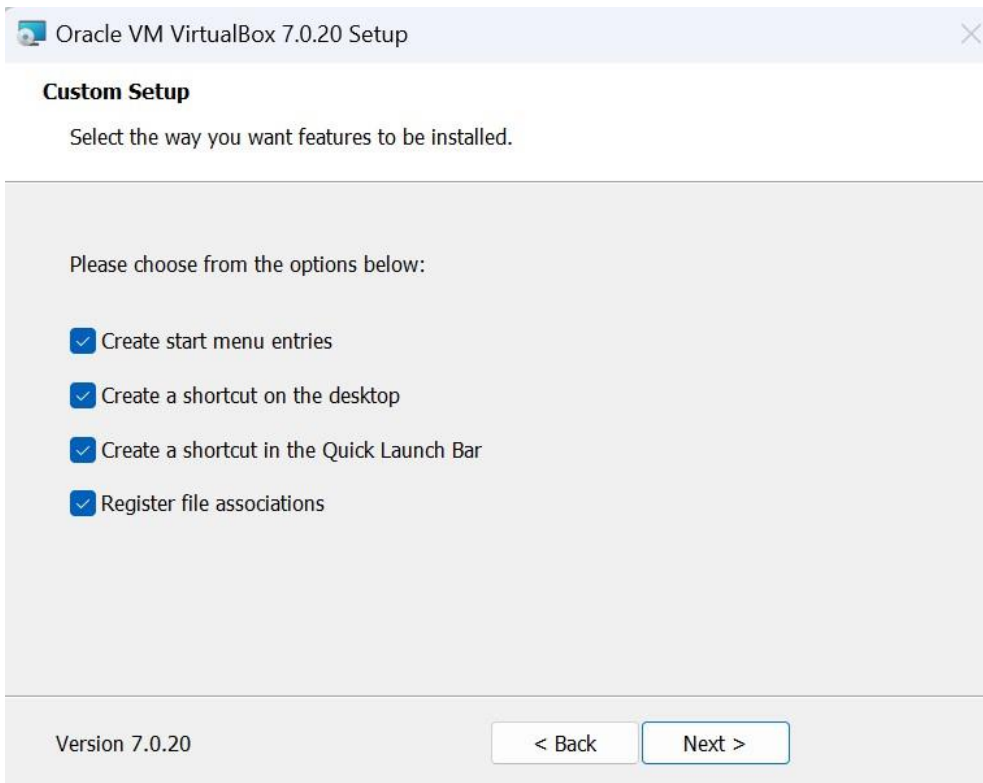
PROCEDURE:

1. Launch a Virtual Box

2. Create new virtual machine

3. Customize the set-up

4. Set username and password

5. Browse for .iso file of an operating system

6. Configure the hardware capacity

7. Finish and power on the VM

8. Install C or PYTHON OR JAVA Compiler and execute a simple program
   OUTPUT:

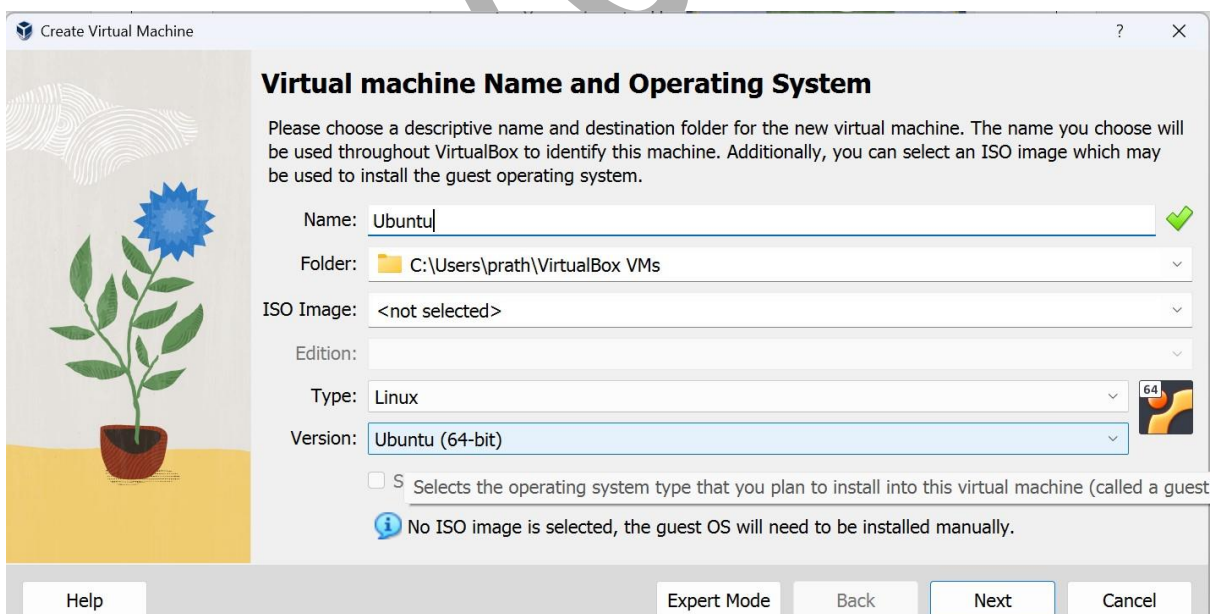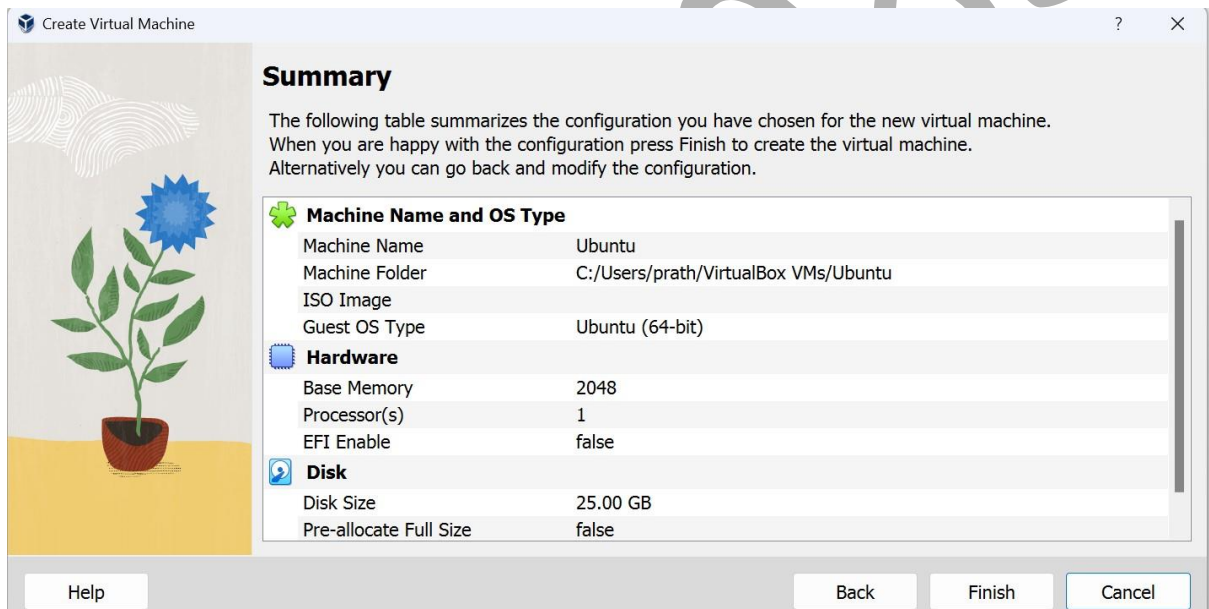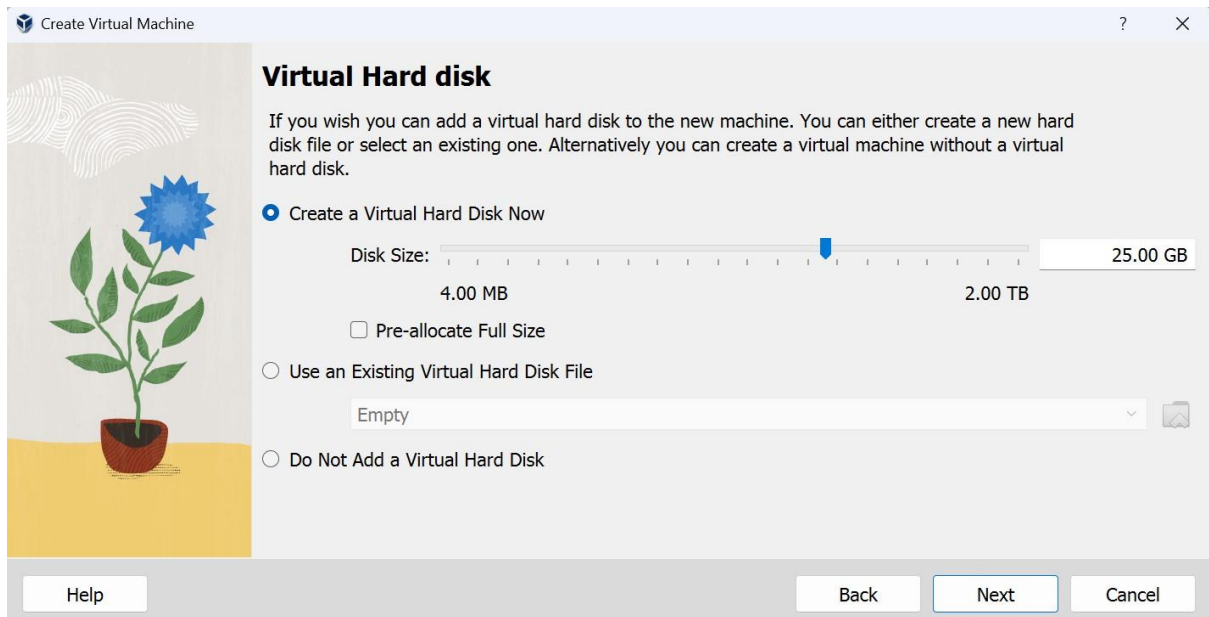Download and run the VirtualBox installer

Oracle VM VirtualBox 7.0.20 Setup ✕

Welcome to the Oracle VM VirtualBox 7.0.20 Setup Wizard

The Setup Wizard will install Oracle VM VirtualBox 7.0.20 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Version 7.0.20   Next >   Cancel

Oracle VM VirtualBox 7.0.20 Setup ✕

Custom Setup

Select the way you want features to be installed.

Click on the icons in the tree below to change the way features will be installed.

```
VirtualBox Application
    VirtualBox USB Support
    VirtualBox Networking
        VirtualBox Bridged Networking
        VirtualBox Host-Only Network
    VirtualBox Python Support
```

Oracle VM VirtualBox 7.0.20 application.

This feature requires 209MB on your hard drive. It has 3 of 3 subfeatures selected. The subfeatures require 1000KB on your hard drive.

Location: C:\Program Files\Oracle\VirtualBox\   Browse

Version 7.0.20   Disk Usage   < Back   Next >   Cancel

Oracle VM VirtualBox 7.0.20 Setup

Custom Setup

Select the way you want features to be installed.

Please choose from the options below:

- ☑ Create start menu entries
- ☑ Create a shortcut on the desktop
- ☑ Create a shortcut in the Quick Launch Bar
- ☑ Register file associations

Version 7.0.20   < Back   Next >

Oracle VM VirtualBox 7.0.20 Setup

Ready to Install

The Setup Wizard is ready to begin the Custom installation.

Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Version 7.0.20   < Back   Install   Cancel

Open Oracle VM VirtualBox

Click on 'New' and create a new virtual machine

Launch the iso file of Ubuntu operating system into the virtual machine.
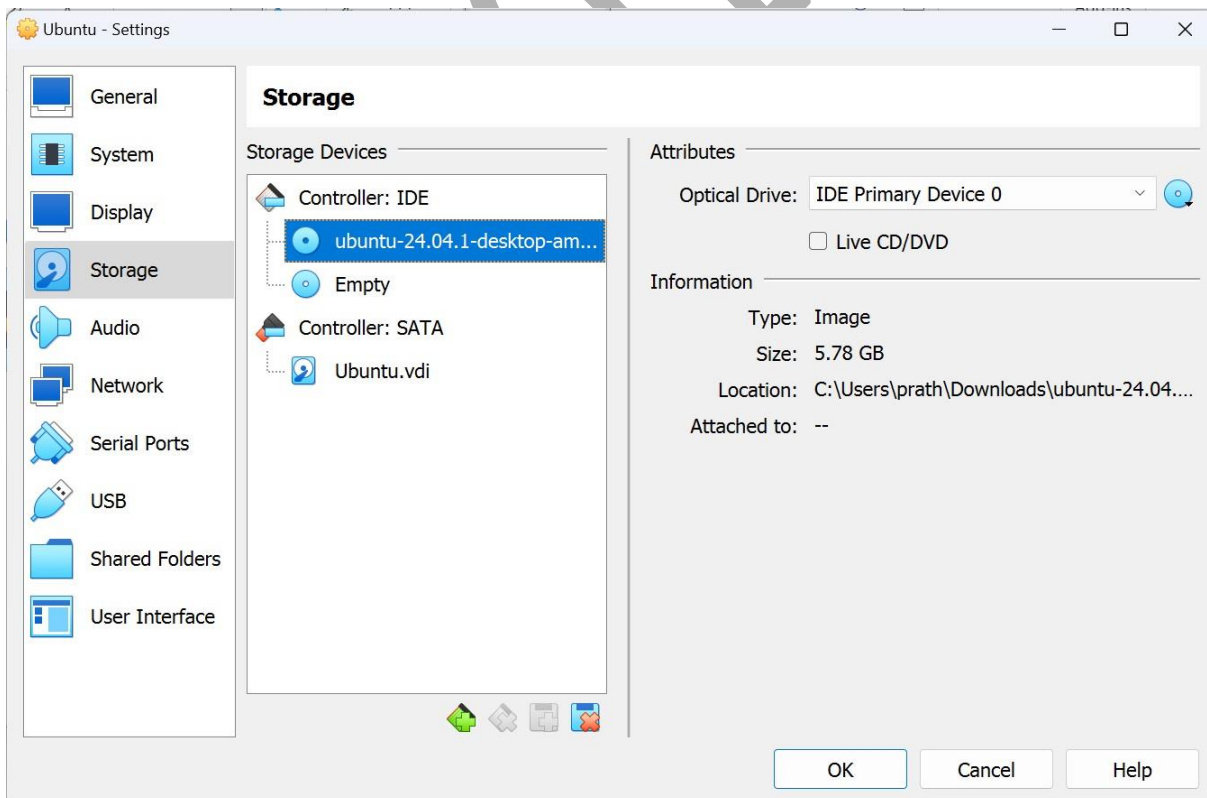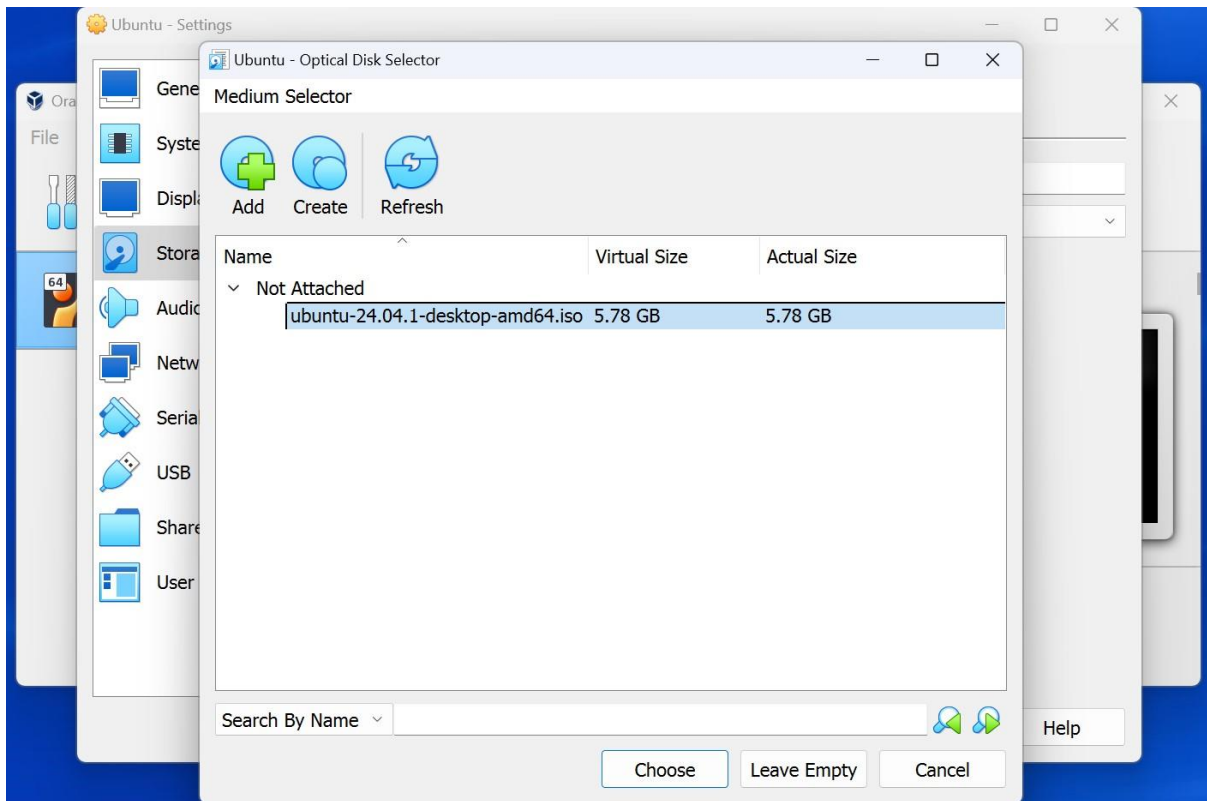
Start the virtual machine
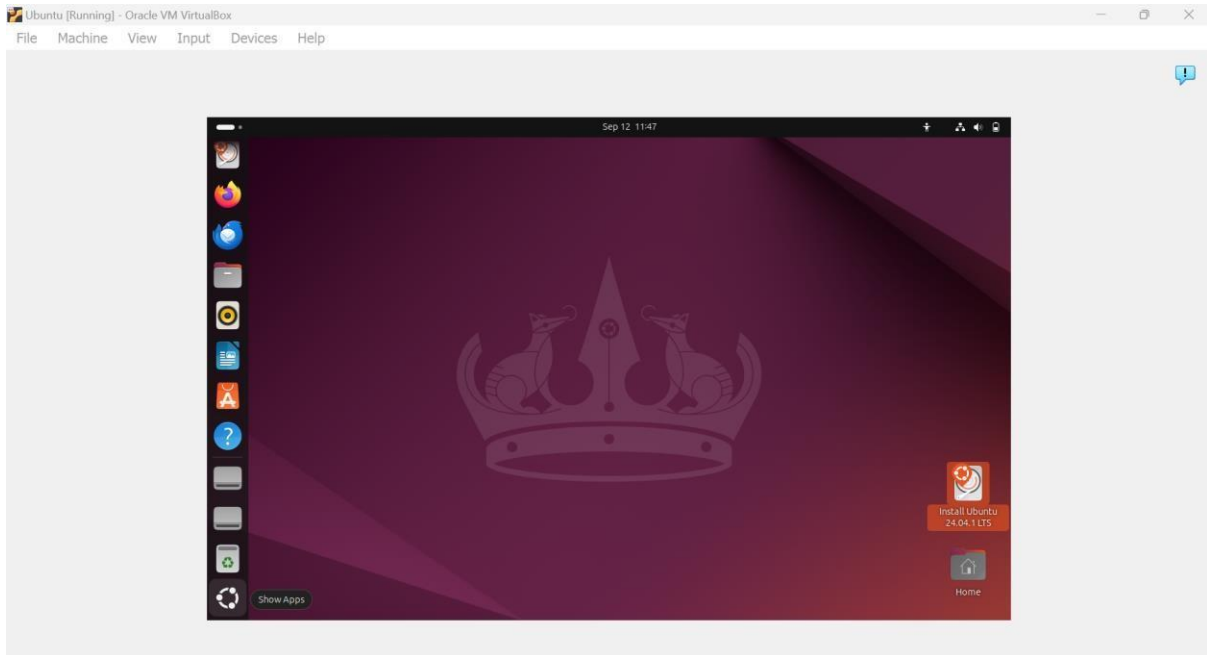
Open terminal and install vim using the command:

sudo apt install vim

Create a Python program and execute it

```
ubuntu@ubuntu:~$ vim sumdigits.py
ubuntu@ubuntu:~$ python3 sumdigits.py
5432
The sum of digits is: 14
ubuntu@ubuntu:~$
```

RESULT:

A virtual machine is created using Virtual Box and a simple program is executed on the virtual machine.