Ex. No. 1

INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

AIM:

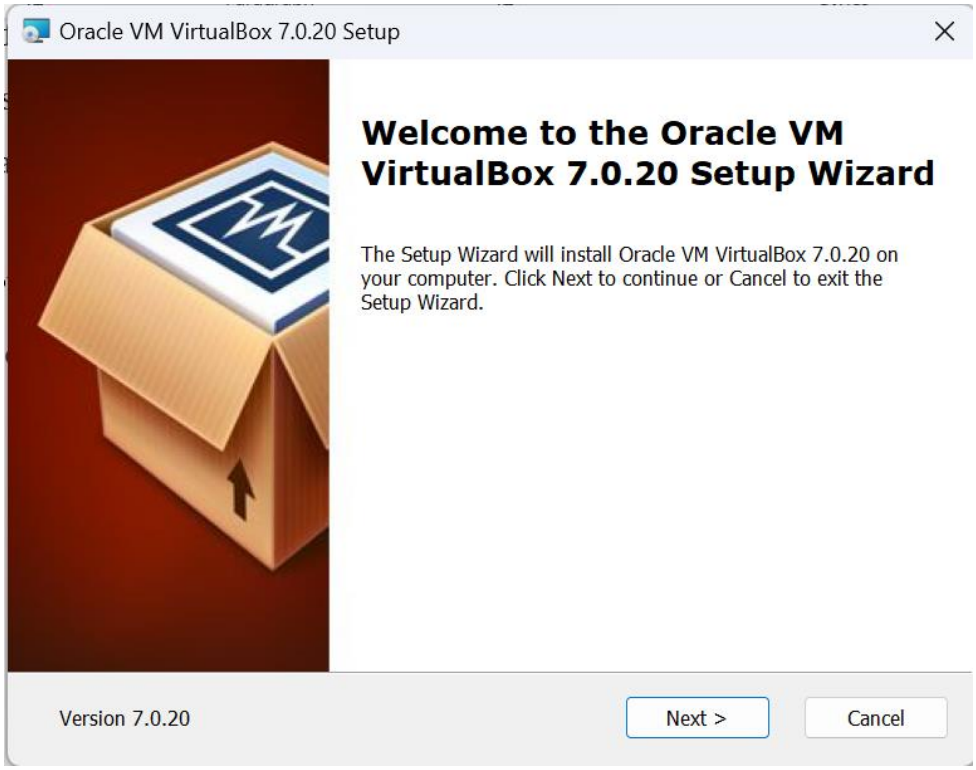
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program

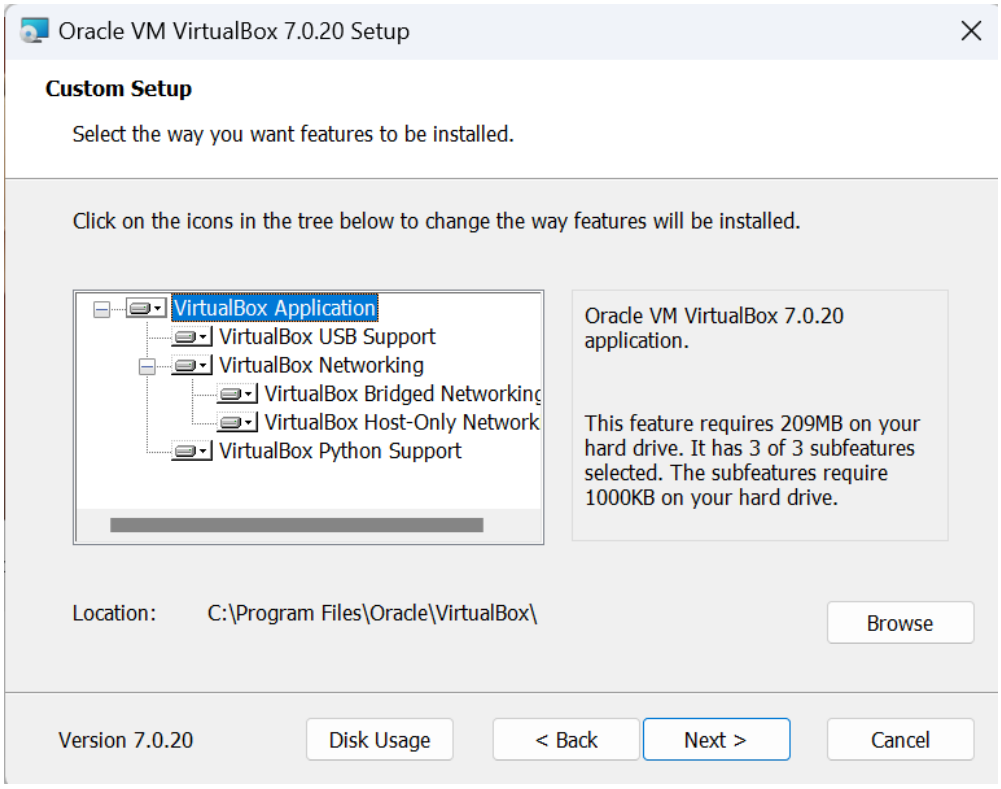
PROCEDURE:

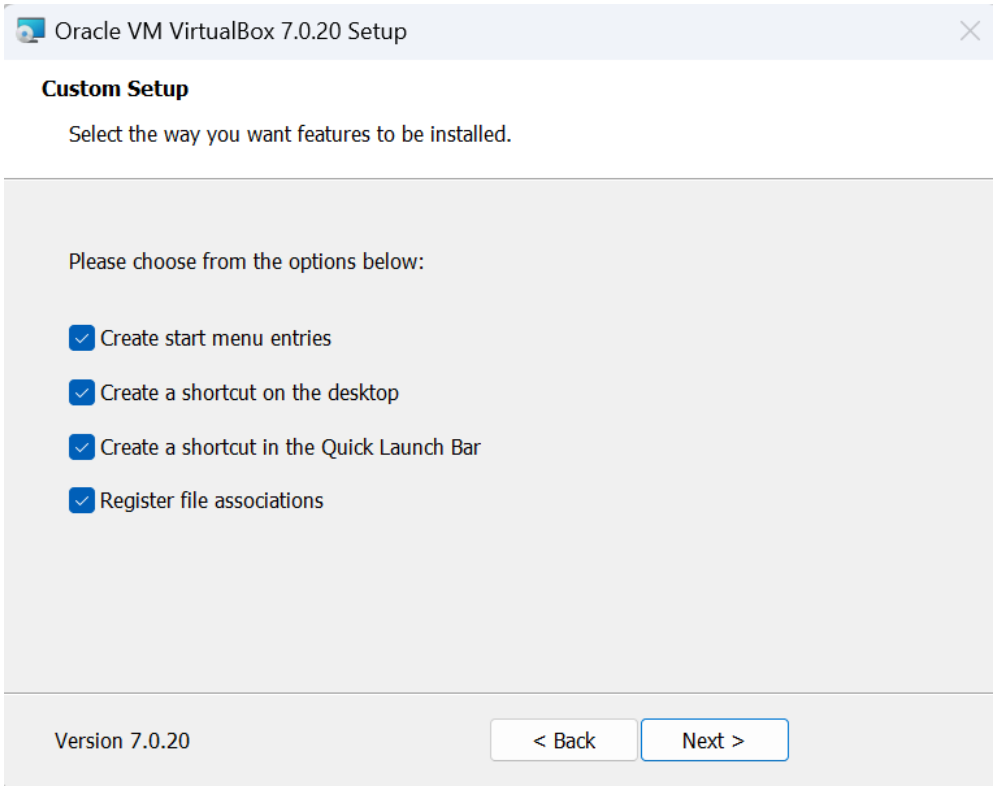
1. Launch a Virtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

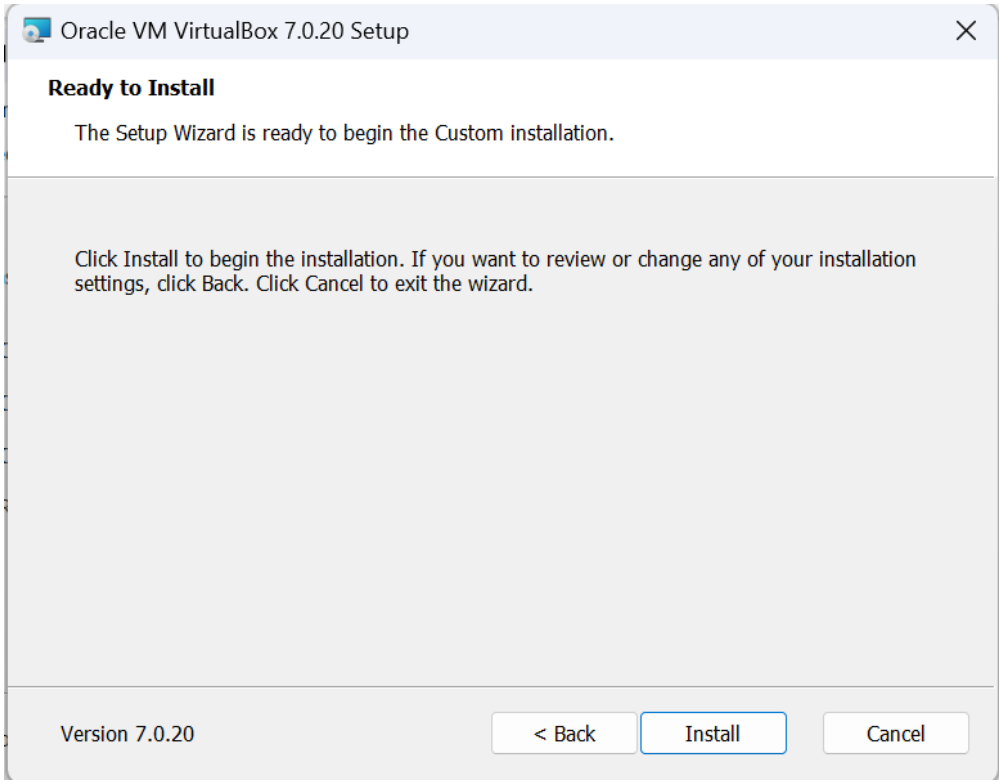
OUTPUT:

Download and run the VirtualBox installer

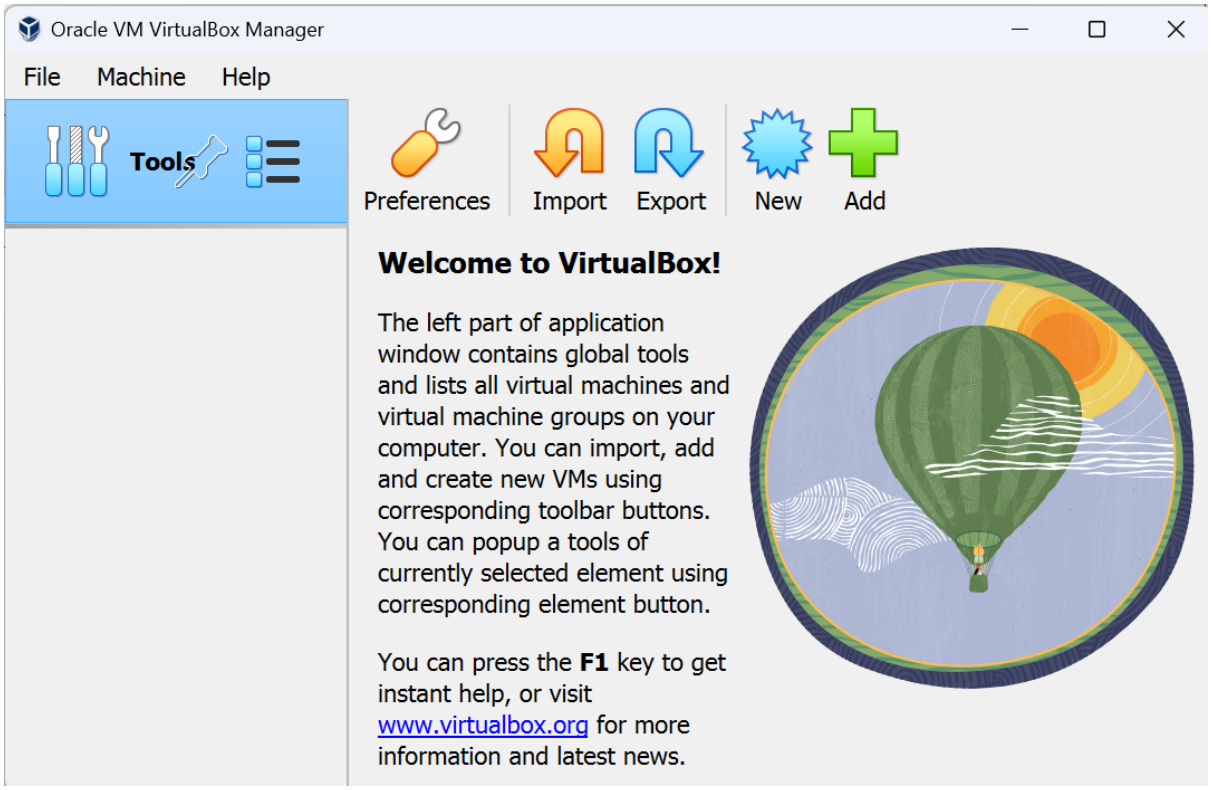




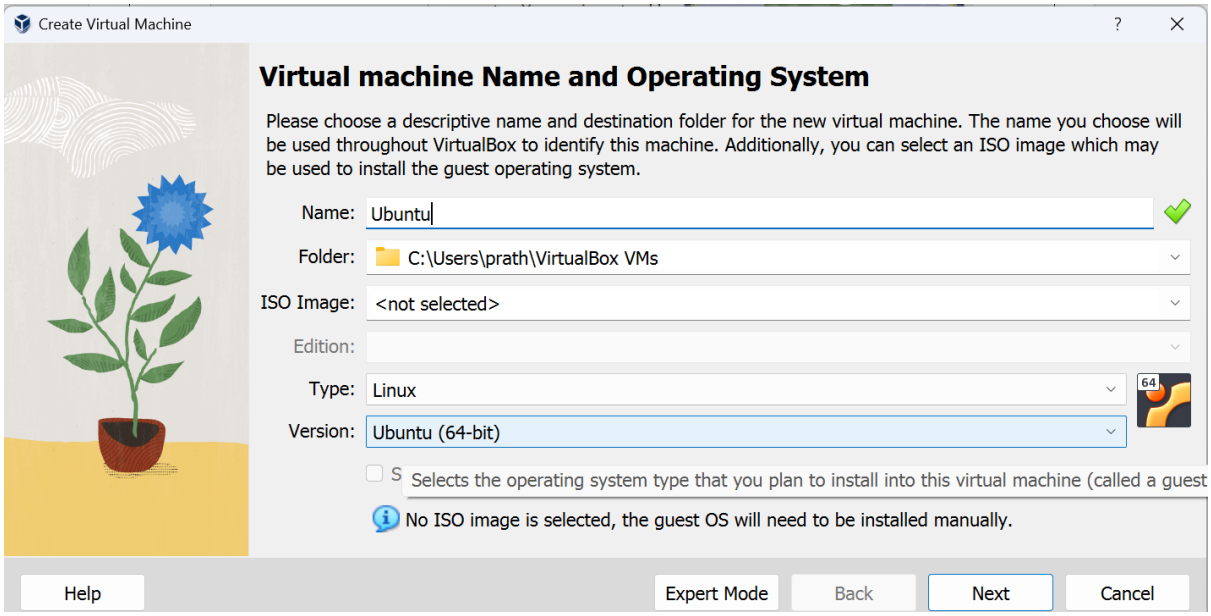

Oracle VM VirtualBox 7.0.20 Setup
Custom Setup
Select the way you want features to be installed.
Please choose from the options below:
Create start menu entries
Create a shortcut on the desktop
Create a shortcut in the Quick Launch Bar
Register file associations
Version 7.0.20
< Back
Next >

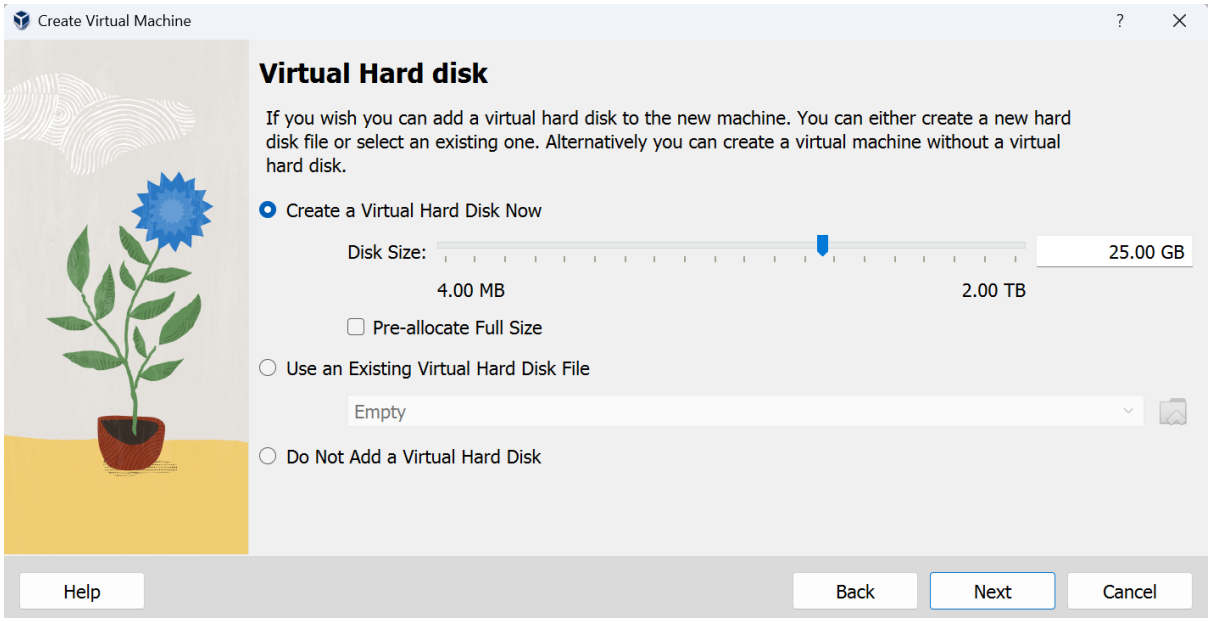

Oracle VM VirtualBox 7.0.20 Setup
Ready to Install
The Setup Wizard is ready to begin the Custom installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Version 7.0.20
< Back
Install
Cancel

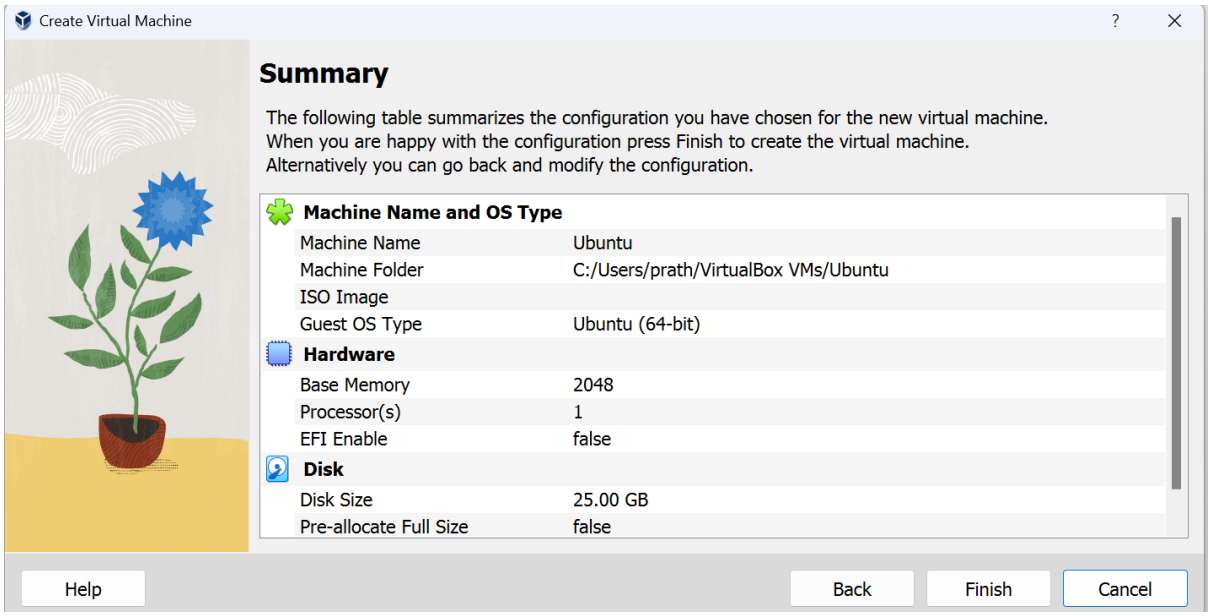
Open Oracle VM VirtualBox



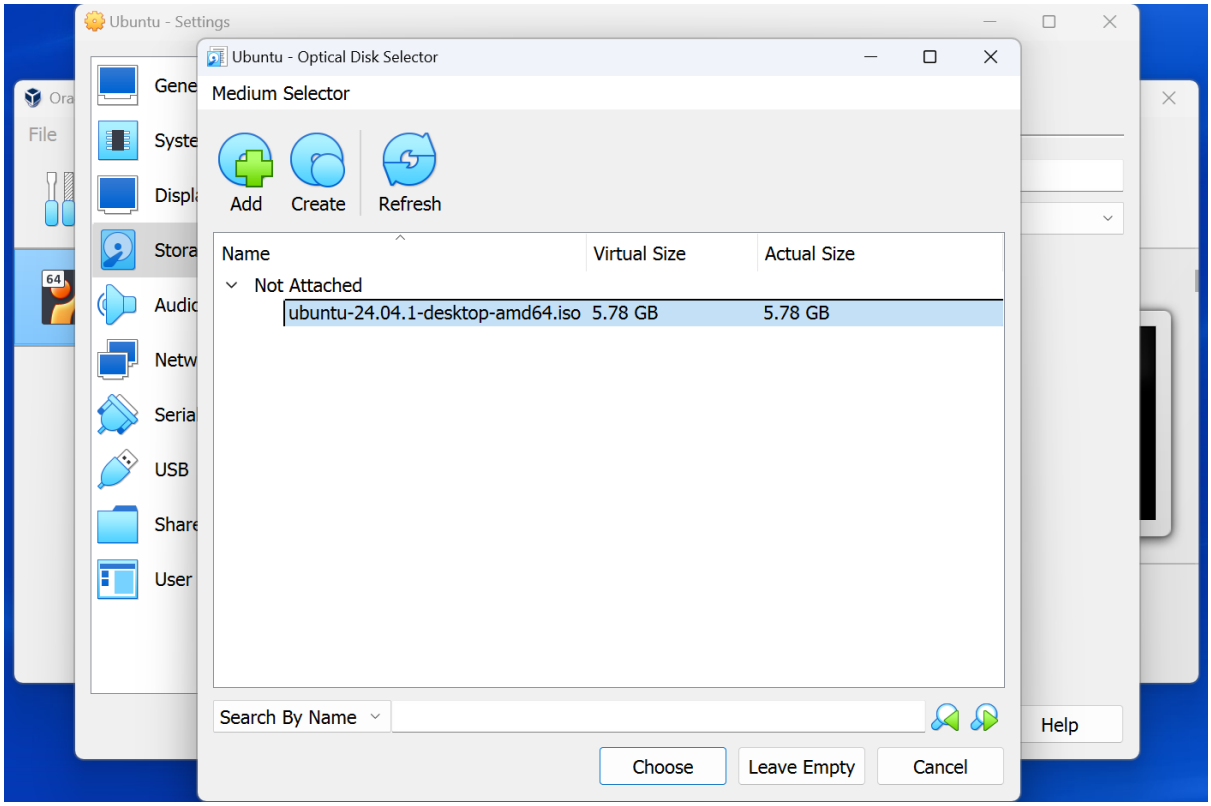
Click on ‘New’ and create a new virtual machine

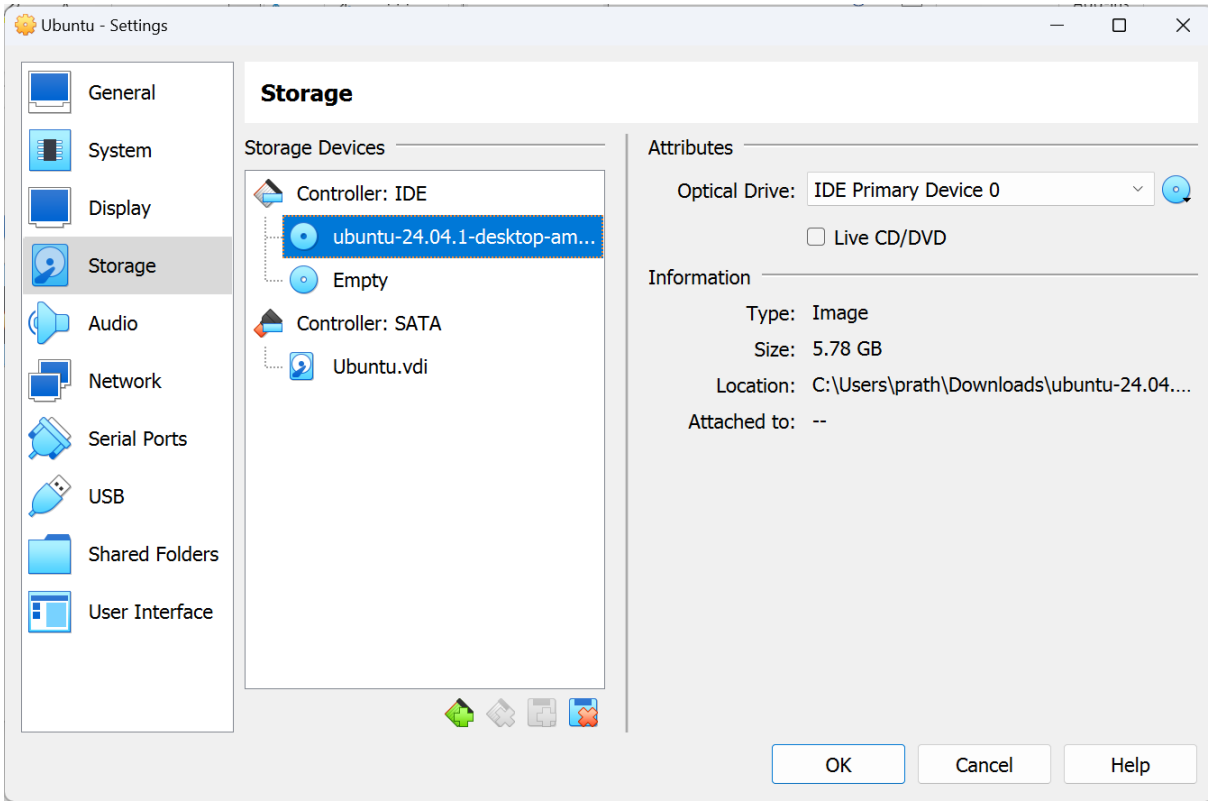




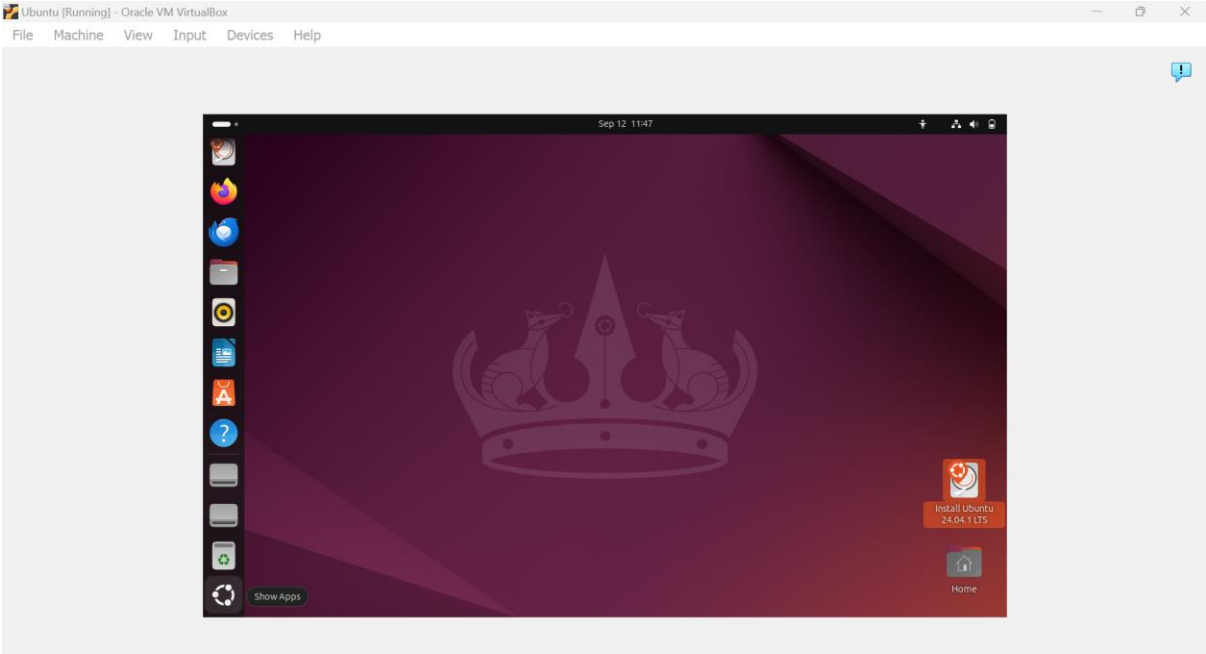


Launch the iso file of Ubuntu operating system into the virtual machine.


Ubuntu - Settings
Ubuntu - Optical Disk Selector
Medium Selector
Add
Create
Refresh
Name
Virtual Size
Actual Size
Not Attached
ubuntu-24.04.1-desktop-amd64.iso 5.78 GB 5.78 GB
Search By Name
Choose
Leave Empty
Cancel
Help

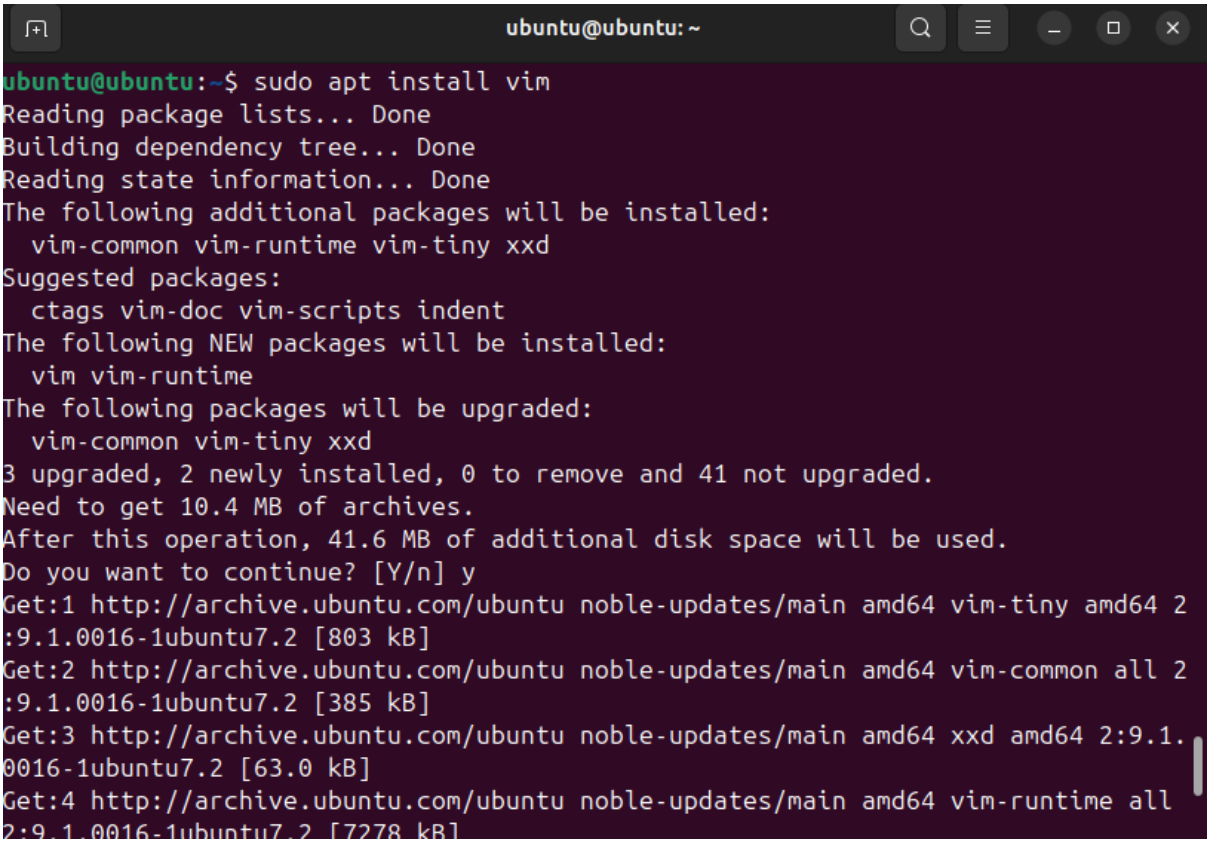

Ubuntu - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
ubuntu-24.04.1-desktop-am...
Empty
Controller: SATA
Ubuntu.vdi
Attributes
Optical Drive: IDE Primary Device 0
Live CD/DVD
Information
Type: Image
Size: 5.78 GB
Location: C:\Users\prath\Downloads\ubuntu-24.04....
Attached to: --
OK
Cancel
Help

Start the virtual machine

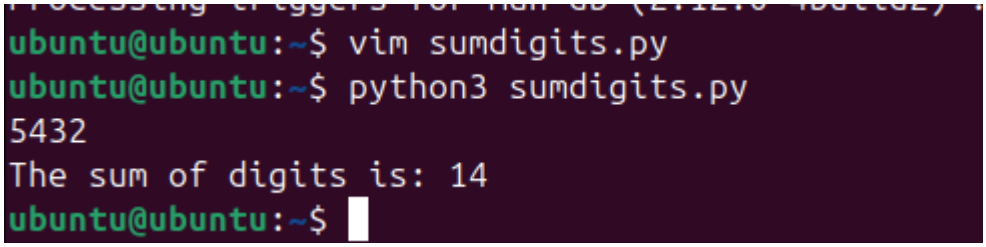


Open terminal and install vim using the command:

sudo apt install vim



Create a Python program and execute it



RESULT:

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