RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
Affiliated to ANNA UNIVERSITY
Rajalakshmi Nagar, Thandalam,
Chennai-602105

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ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING

CS19741 CLOUD COMPUTING LABORATORY

ACADEMIC YEAR:2024-2025 (ODD)

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Reg. No : 210701071 **Name : HARINI V**

Branch : CSE **Year/Section : IV-B**

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2	Virtualize a machine and check howmany virtual machines can be utilized at a particular time		
3	Create a VM clone and attach avirtual block to the cloned VM		
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4	Develop a simple email automationservice using Salesforce		
5	Launch a cloud instance using a public IaaS cloud service like the IBM cloud		
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	CLOUD SIMULATION		
7	Model a cloud environment using CloudSim		
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	HADOOP – MAP REDUCE		
9	Setup a single node Hadoop cluster and show the process using WEB UI		
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11	Implement the MaxTemperature MapReduce program to identify the year wise maximum temperature from sensor data		

Exp No: 1 **Date:**

VIRTUALIZATION
CONFIGURATION AND CREATION OF VIRTUAL MACHINE

AIM:

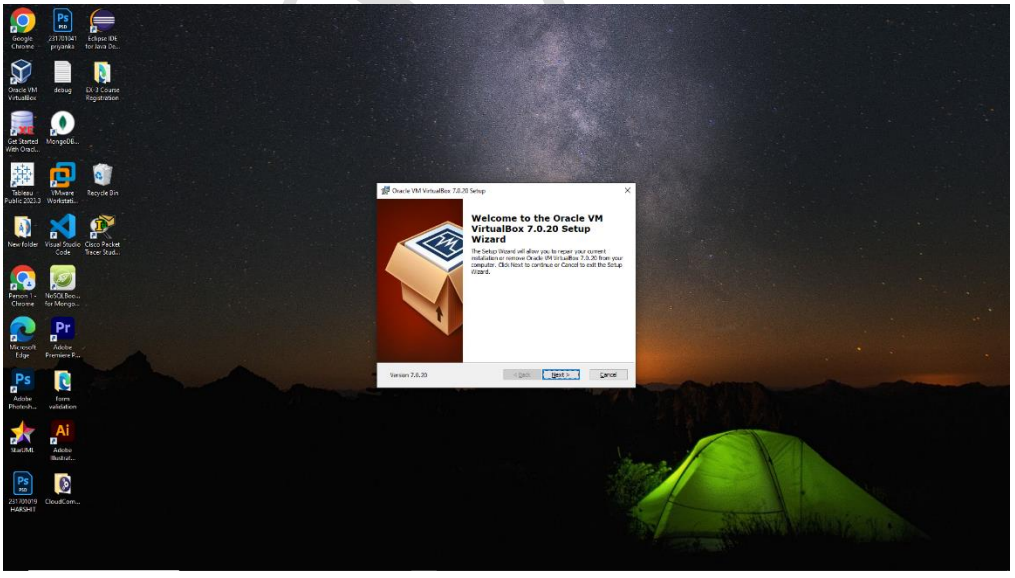
To configure a Virtual Machine using VM ware and Launch the VM and execute a simple program using C/PYTHON/JAVA.

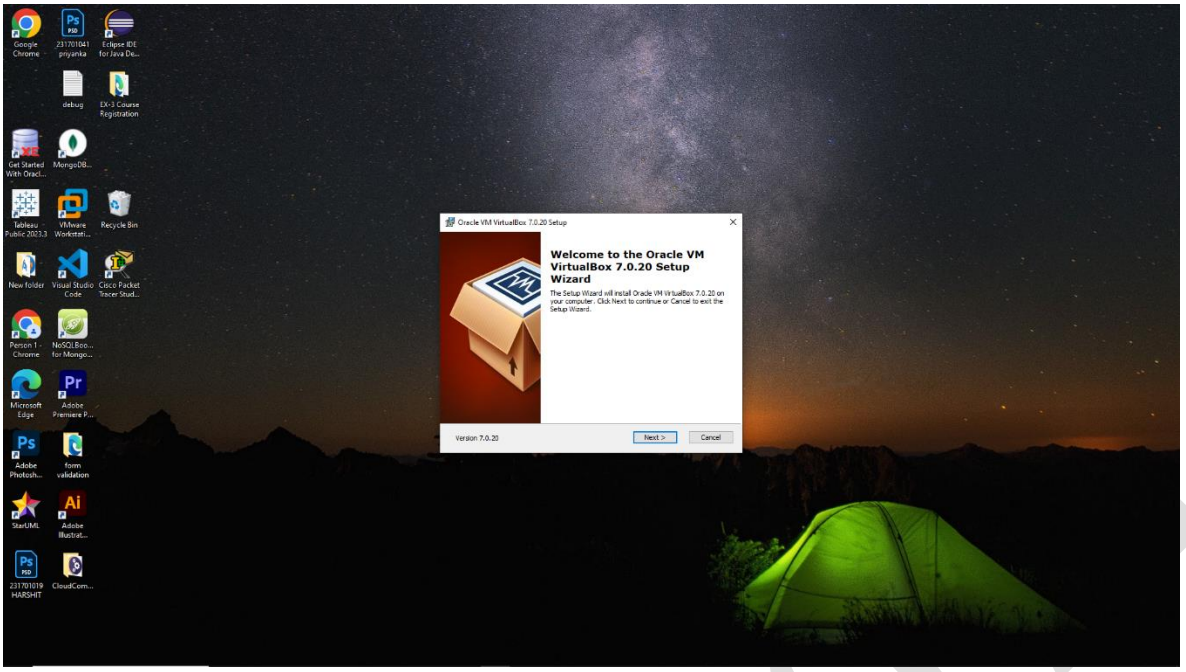
PROCEDURE:

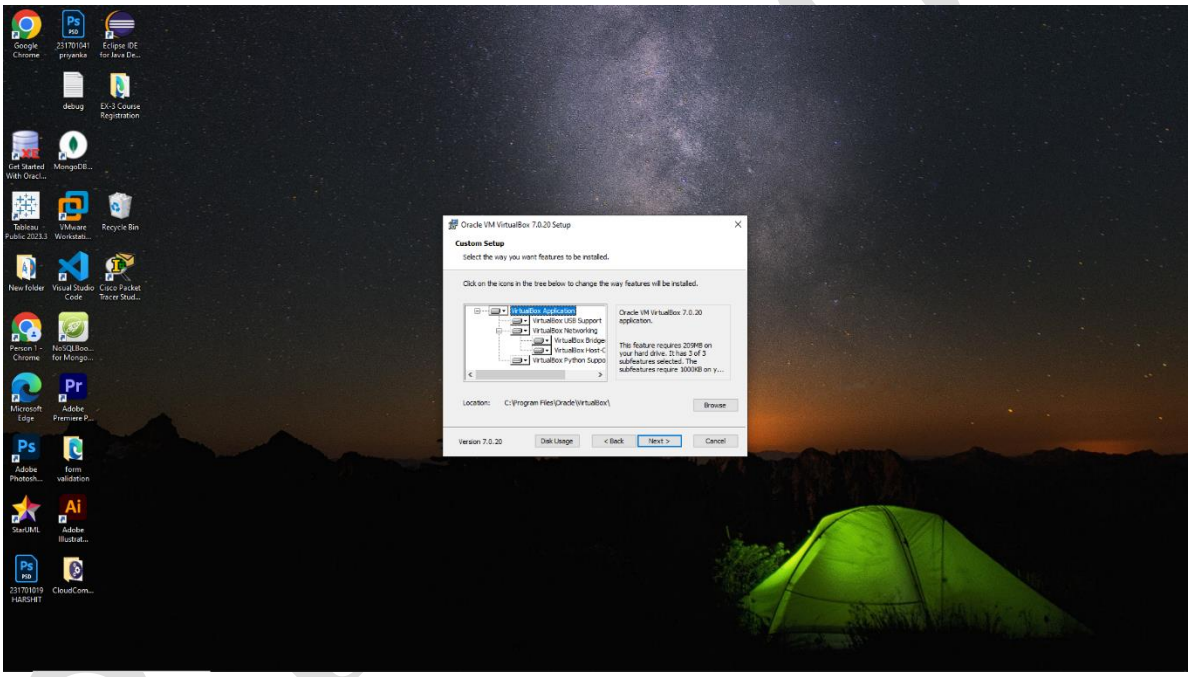
1. Launch a VM ware
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

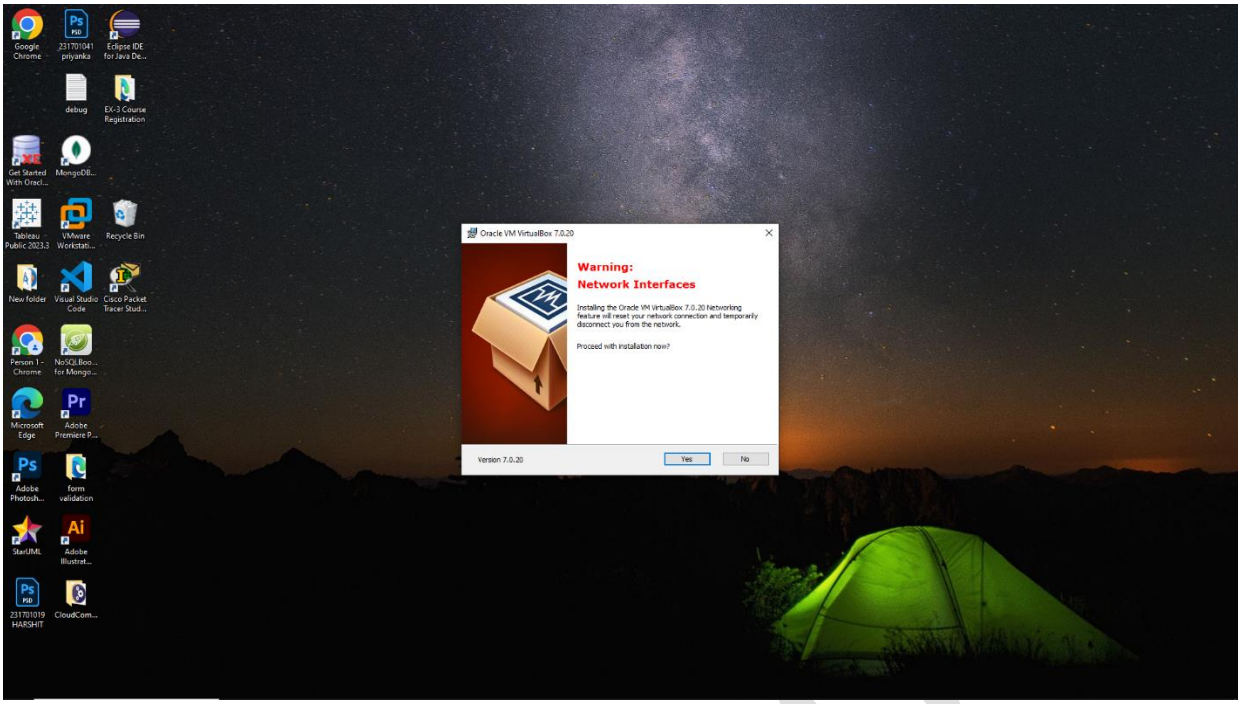
OUTPUT:

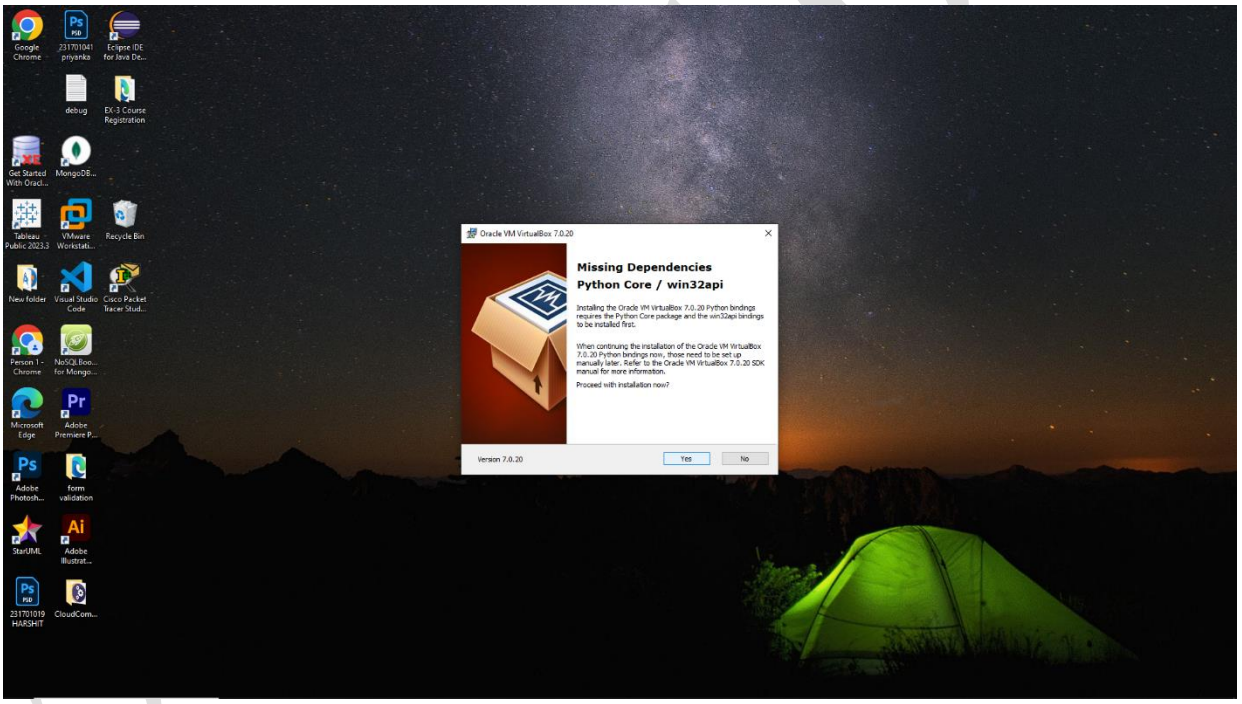
Typical Configuration

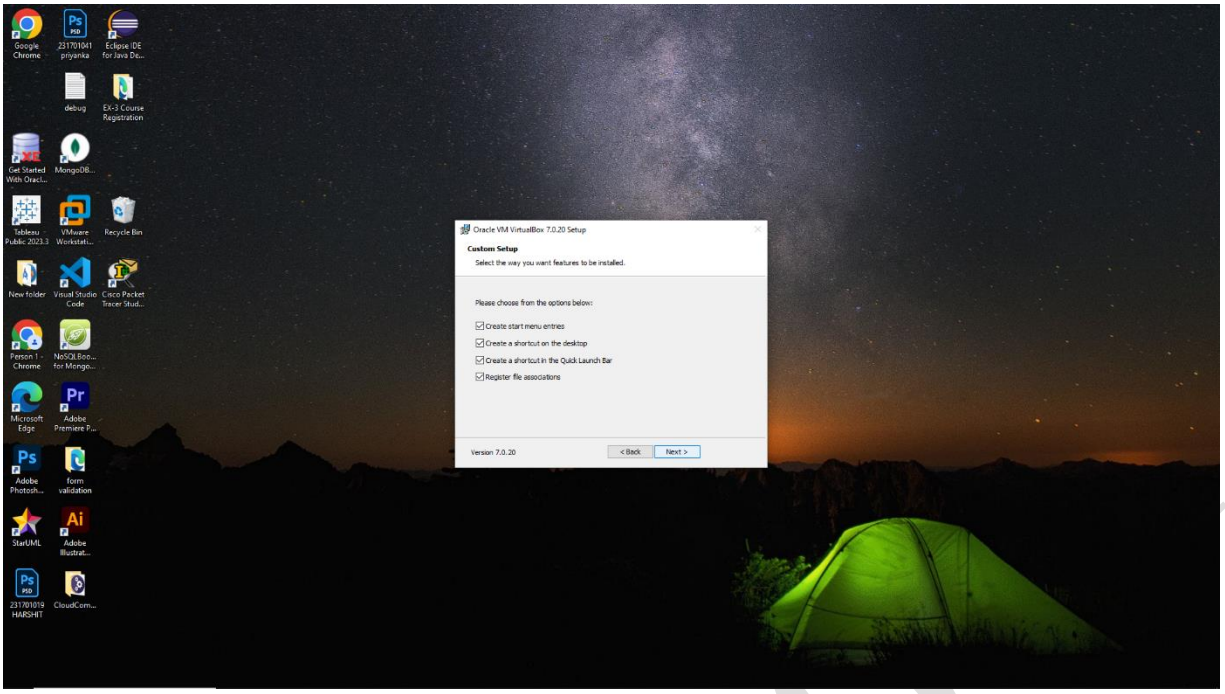


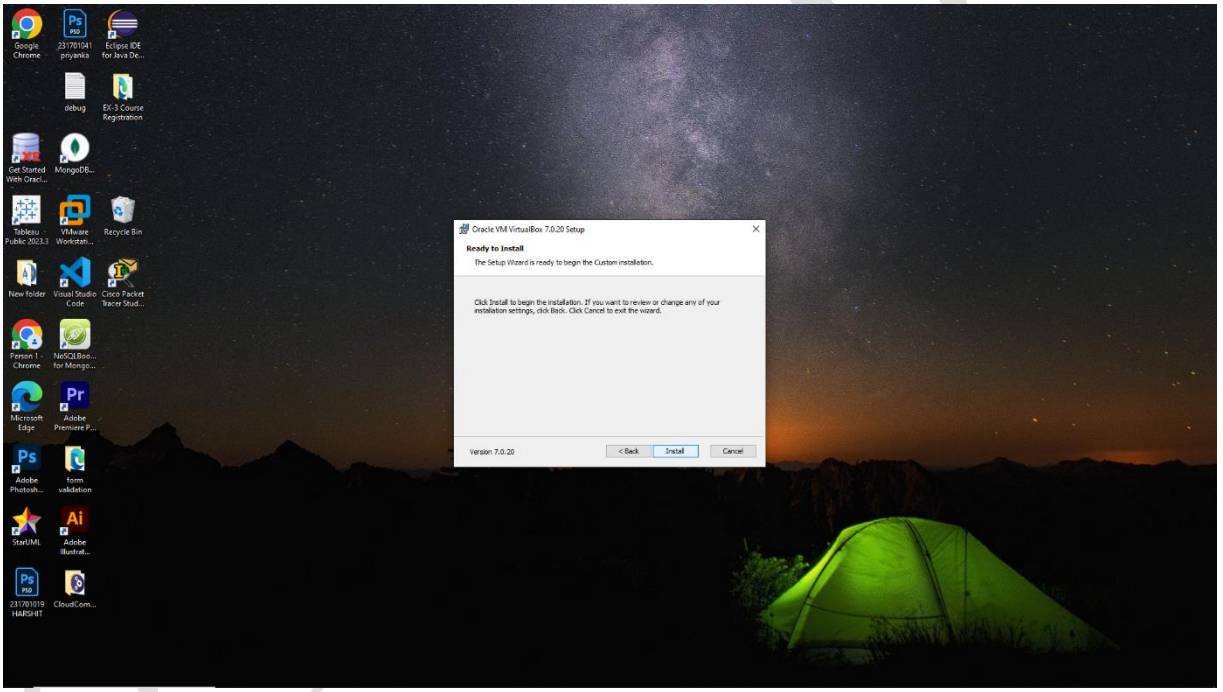

Oracle VM VirtualBox 7.0.20 Setup
Welcome to the Oracle VM VirtualBox 7.0.20 Setup Wizard
The Setup Wizard will install Oracle VM VirtualBox 7.0.20 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Version 7.0.20
Next >
Cancel

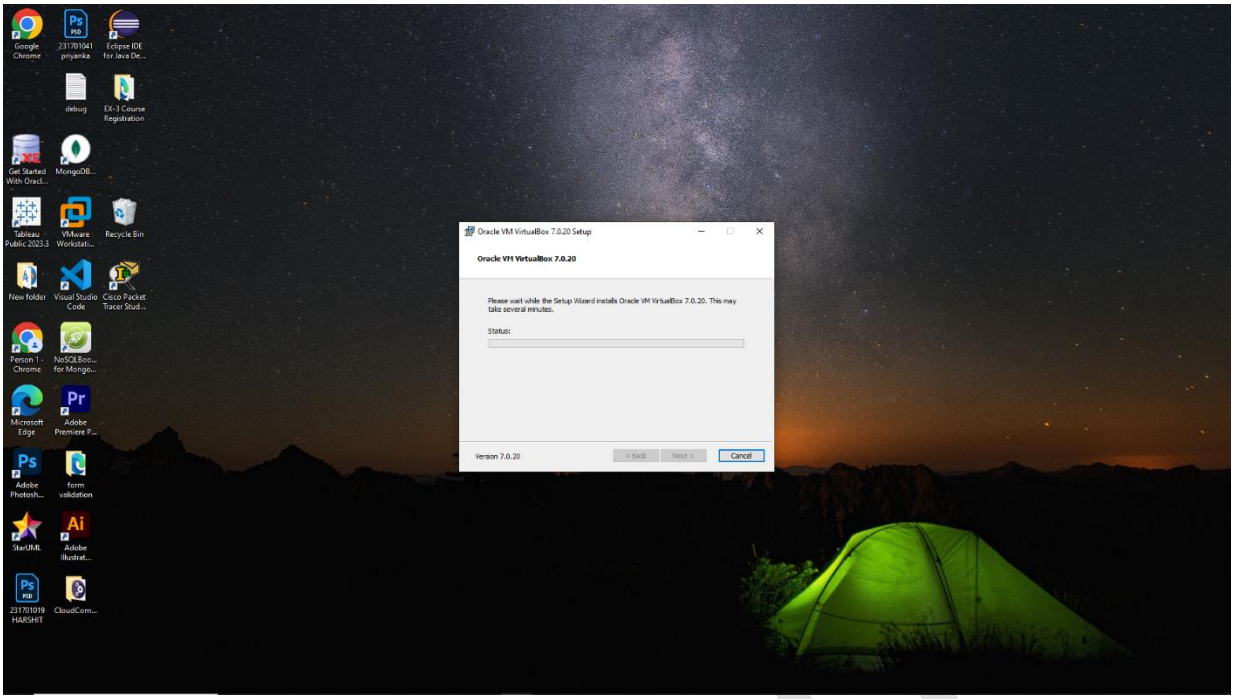

Oracle VM VirtualBox 7.0.20 Setup
Custom Setup
Select the way you want features to be installed.
Click on the icons in the tree below to change the way features will be installed.
VirtualBox Application
VirtualBox USB Support
VirtualBox Networking
VirtualBox Bridge
VirtualBox Python Suppo
Oracle VM VirtualBox 7.0.20 application.
Location:
C:\Program Files\Oracle\VirtualBox\
Browse
Version 7.0.20
Disk Usage
< Back
Next >
Cancel

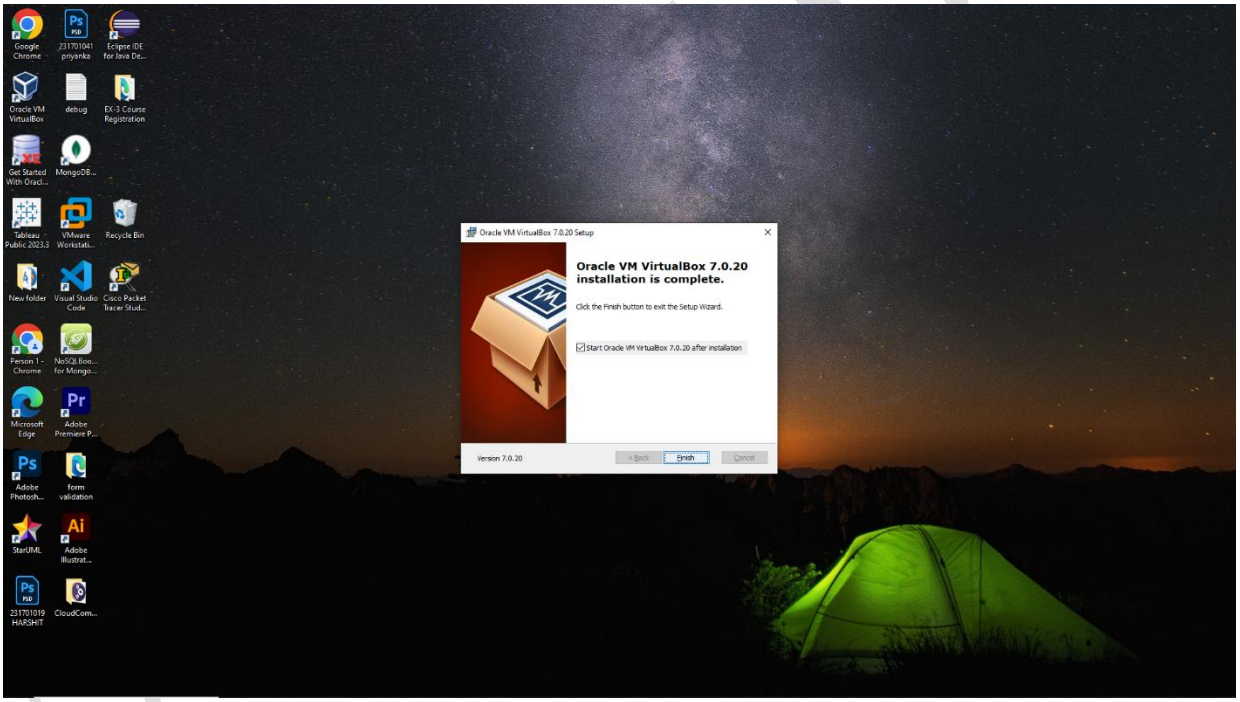

Oracle VM VirtualBox 7.0.20
Warning:
Network Interfaces
Installing the Oracle VM VirtualBox 7.0.20 Networking feature will reset your network connection and temporarily disconnect you from the network.
Proceed with installation now?
Version 7.0.20
Yes
No


Oracle VM VirtualBox 7.0.20
Missing Dependencies
Python Core / win32api
Installing the Oracle VM VirtualBox 7.0.20 Python bindings requires the Python Core package and the win32api bindings to be installed first.
When continuing the installation of the Oracle VM VirtualBox 7.0.20 Python bindings now, those need to be set up manually later. Refer to the Oracle VM VirtualBox 7.0.20 SDK manual for more information.
Proceed with installation now?
Version 7.0.20
Yes
No

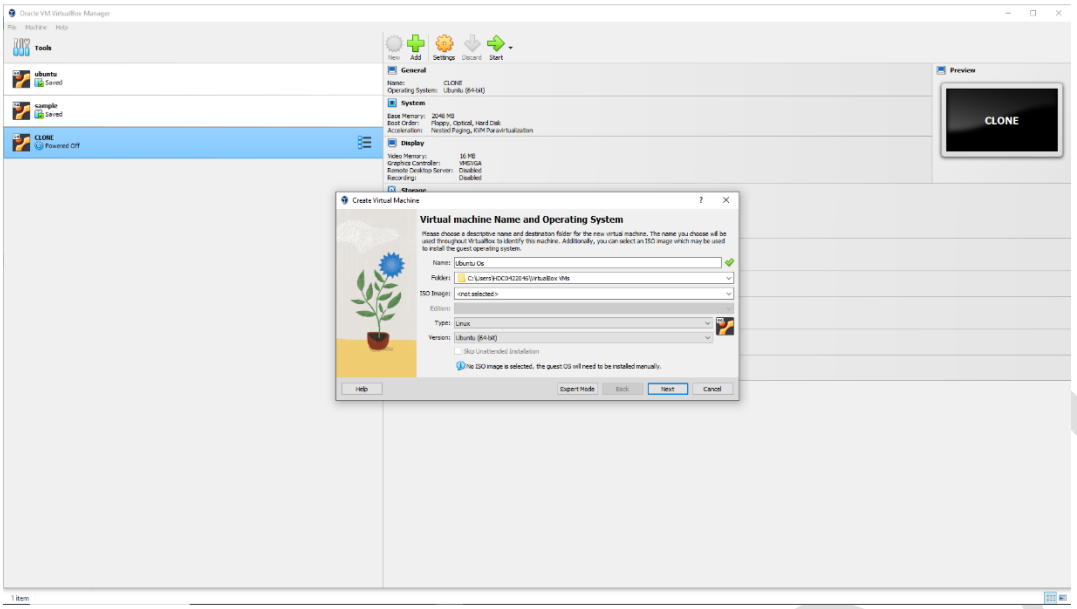

Oracle VM VirtualBox 7.0.20 Setup
Custom Setup
Select the way you want features to be installed.
Please choose from the options below:
Create start menu entries
Create a shortcut on the desktop
Create a shortcut in the Quick Launch Bar
Register file associations
Version 7.0.20
< Back
Next >

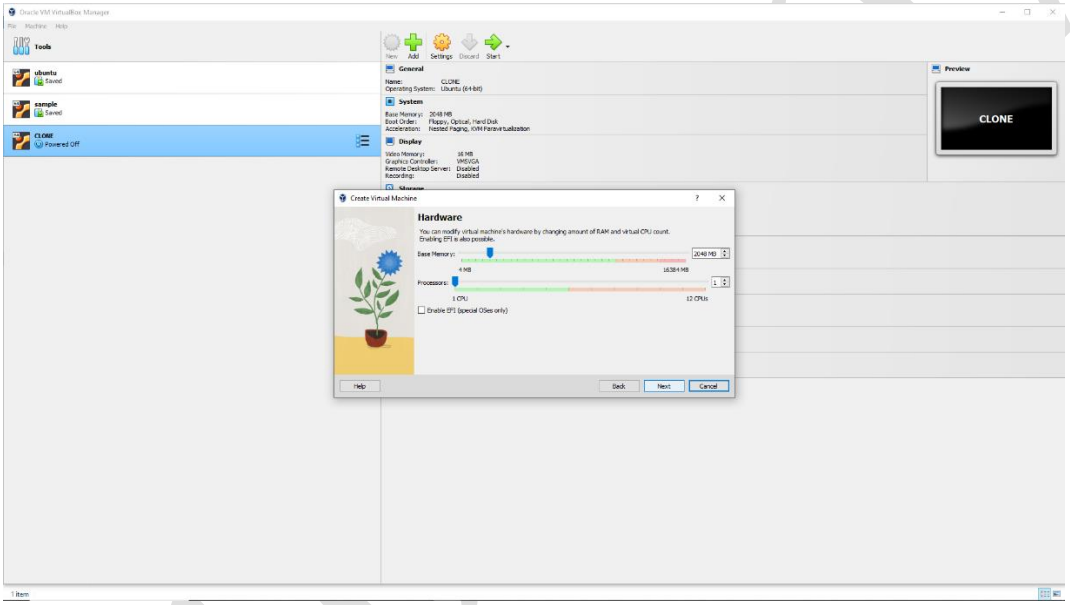

Oracle VM VirtualBox 7.0.20 Setup
Ready to Install
The Setup Wizard is ready to begin the Custom installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Version 7.0.20
< Back
Install
Cancel

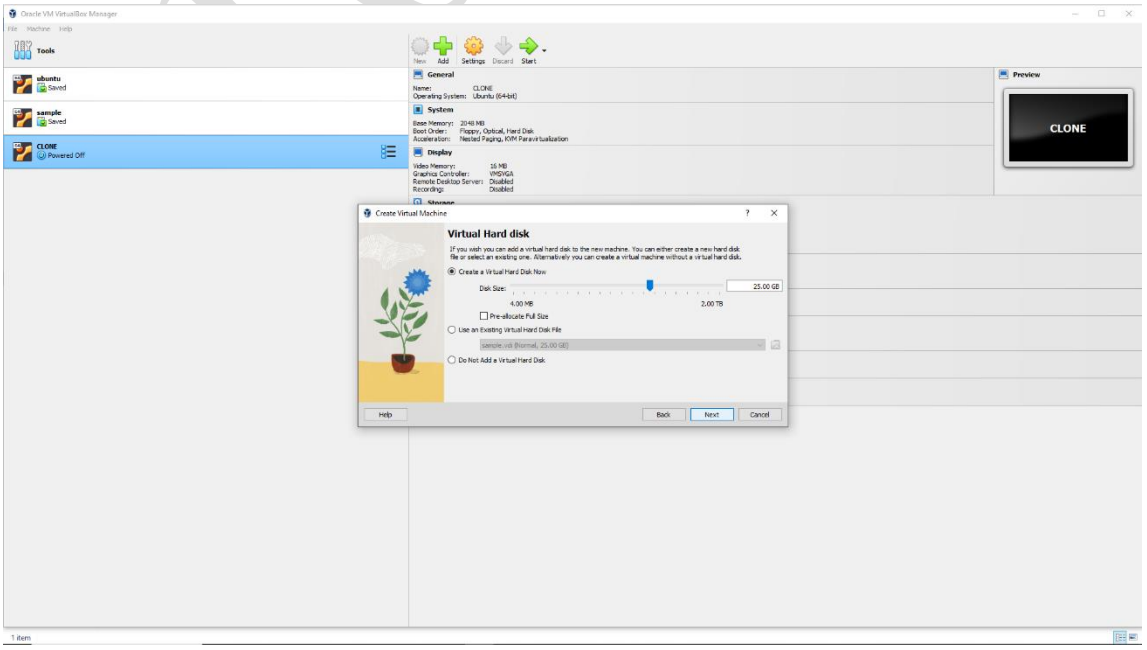


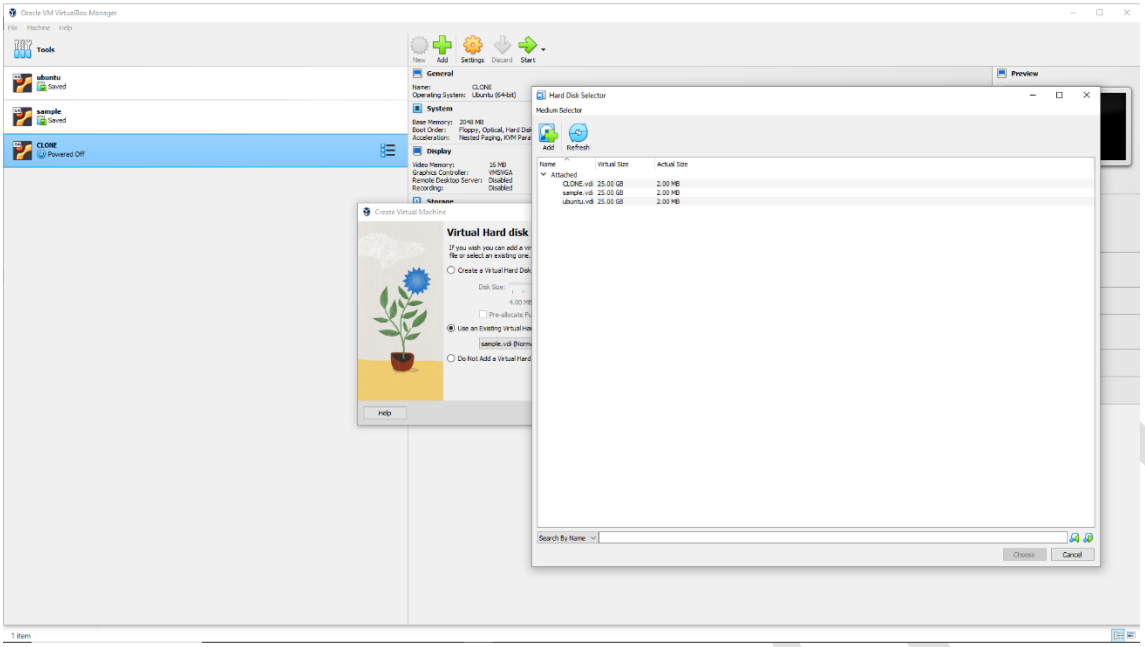


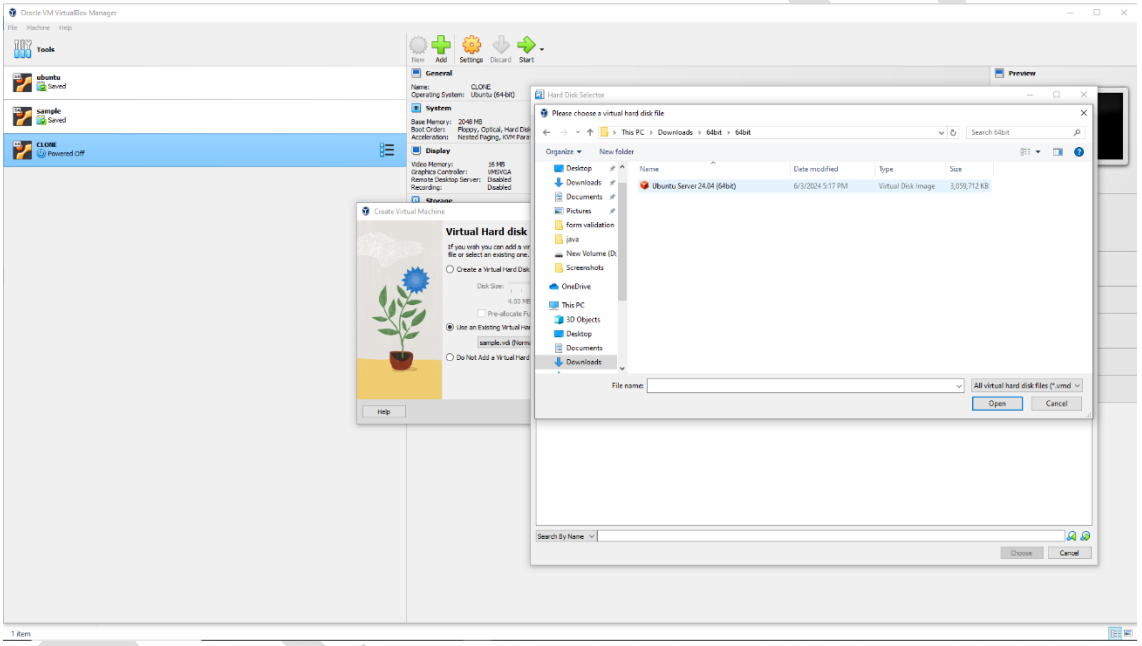
Custom configuration:

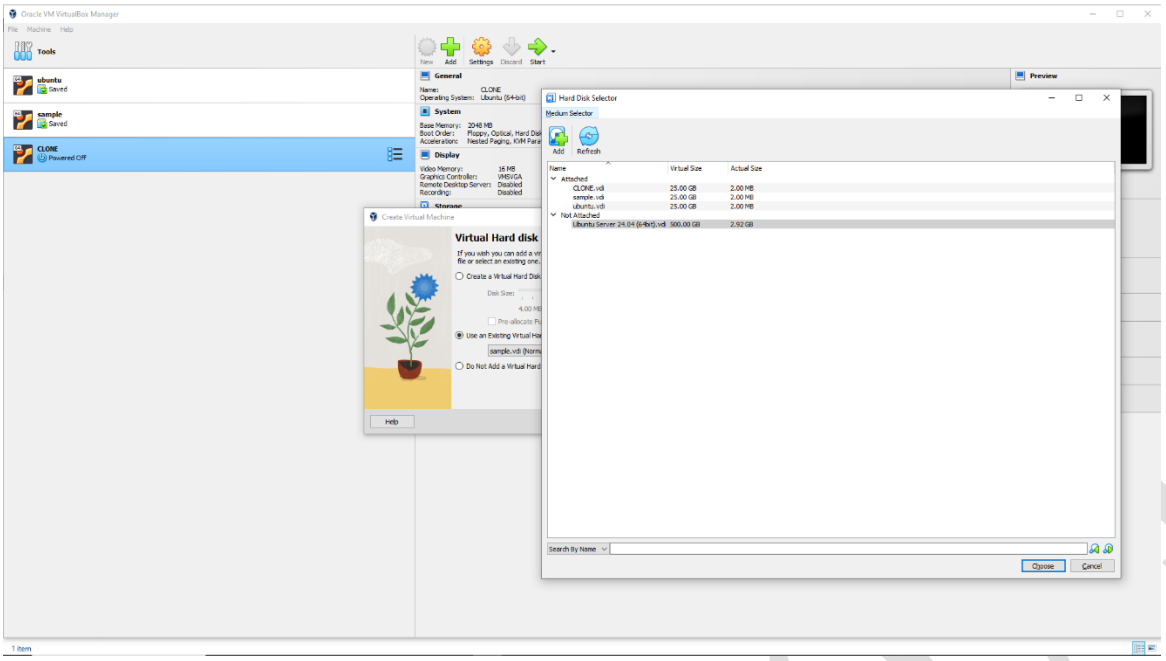

Create Virtual Machine
Virtual machine Name and Operating System
CLONE

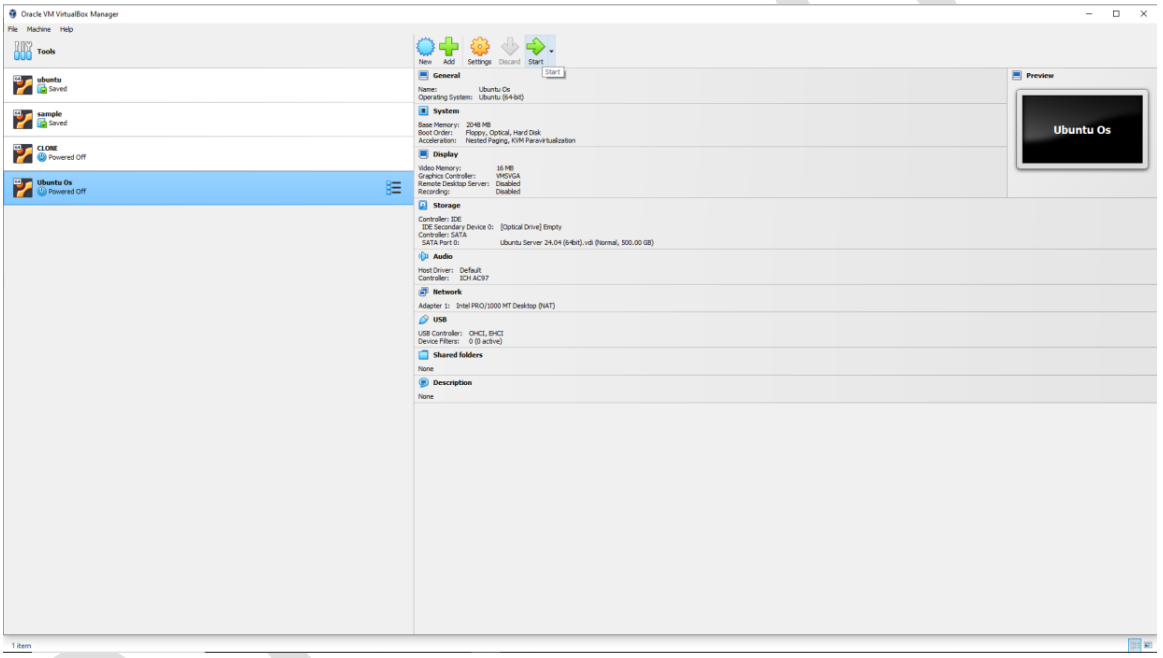

Create Virtual Machine
Hardware
CLONE


Create Virtual Machine
Virtual Hard disk
CLONE


Oracle VM VirtualBox Manager
Tools
ubuntu
Saved
sample
Saved
CLONE
Powered Off
Hard Disk Selector
Virtual Hard disk
Create Virtual Machine
1 item


Oracle VM VirtualBox Manager
Tools
ubuntu
Saved
sample
Saved
CLONE
Powered Off
Hard Disk Selector
Please choose a virtual hard disk file
Virtual Hard disk
Create Virtual Machine
1 item





RESULT:

Thus, a Virtual Machine using VM ware and Launch the VM is configured.