

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)

INDEX

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Branch : CSE

Year/Section : IV-B

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	VIRTUALIZATION		
1	Create and run a virtual machine in your system using VMWare Workstation pro		
2	Virtualize a machine and check how many virtual machines can be utilized at a particular time		
3	Create a VM clone and attach a virtual block to the cloned VM		
	PUBLIC CLOUD		
4	Develop a simple email automation service using Salesforce		
5	Launch a cloud instance using a public IaaS cloud service like the IBM cloud		
6	Work with a public cloud service such as the ServiceNow/MS Azure		
	CLOUD SIMULATION		
7	Model a cloud environment using CloudSim		
8	Implement RoundRobin task scheduling in both TimeShared and SpaceShared CPU assignment		
	HADOOP – MAP REDUCE		
9	Setup a single node Hadoop cluster and show the process using WEB UI		
10	Demonstrate the MapReduce programming model by counting the number of words in a file		
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.

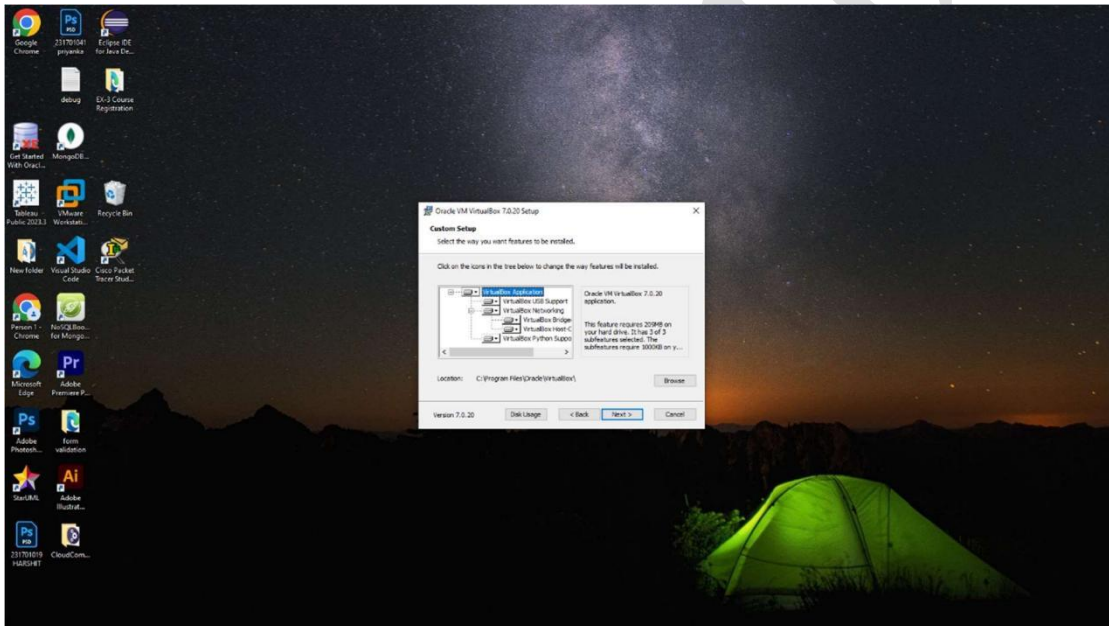
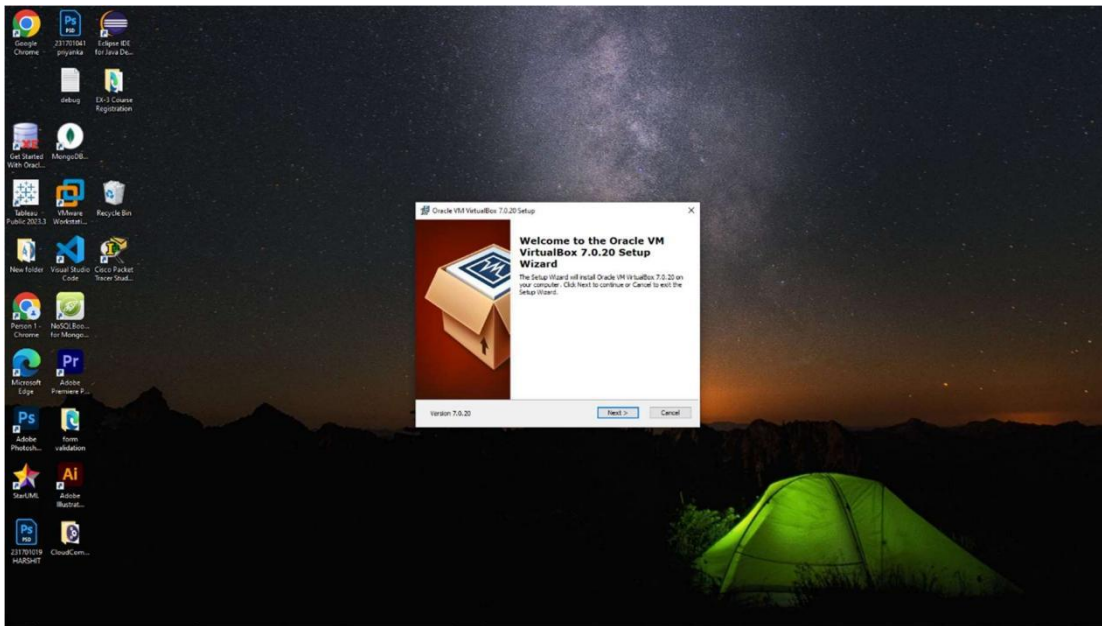
PROCEDURE:

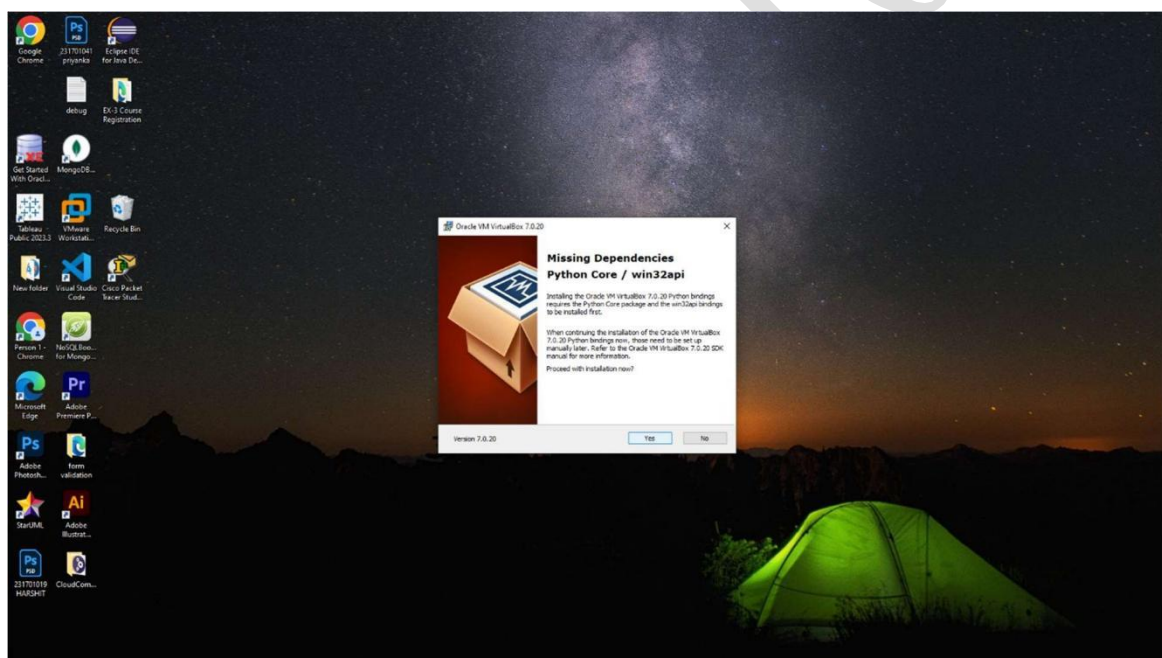
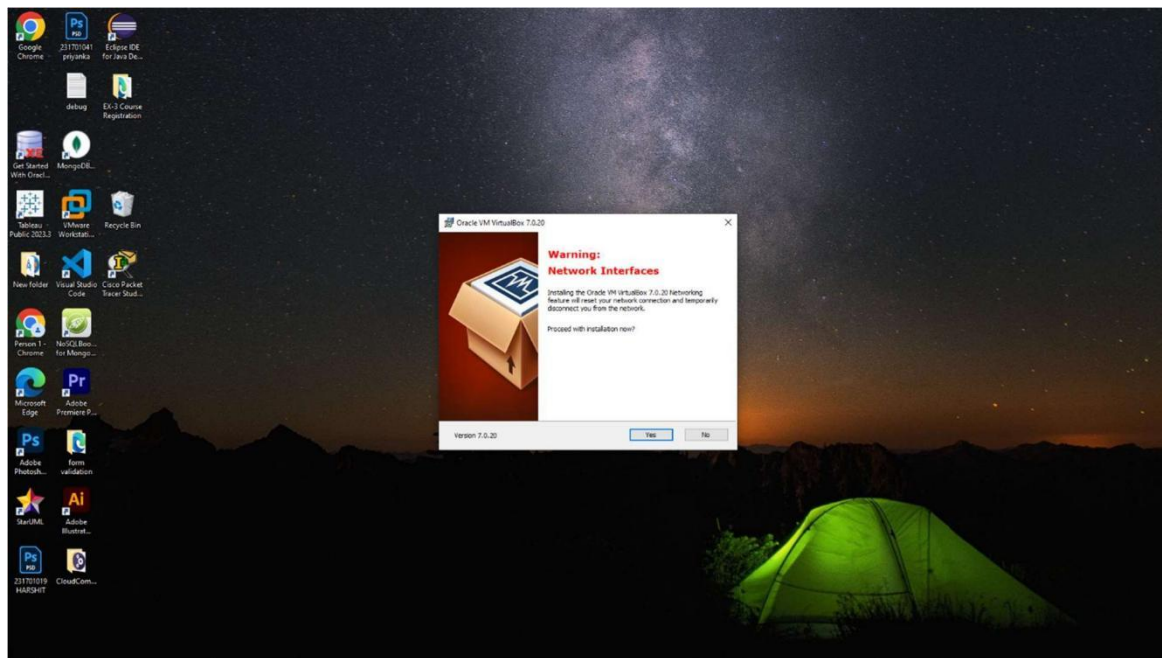
1. Launch a VM ware
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

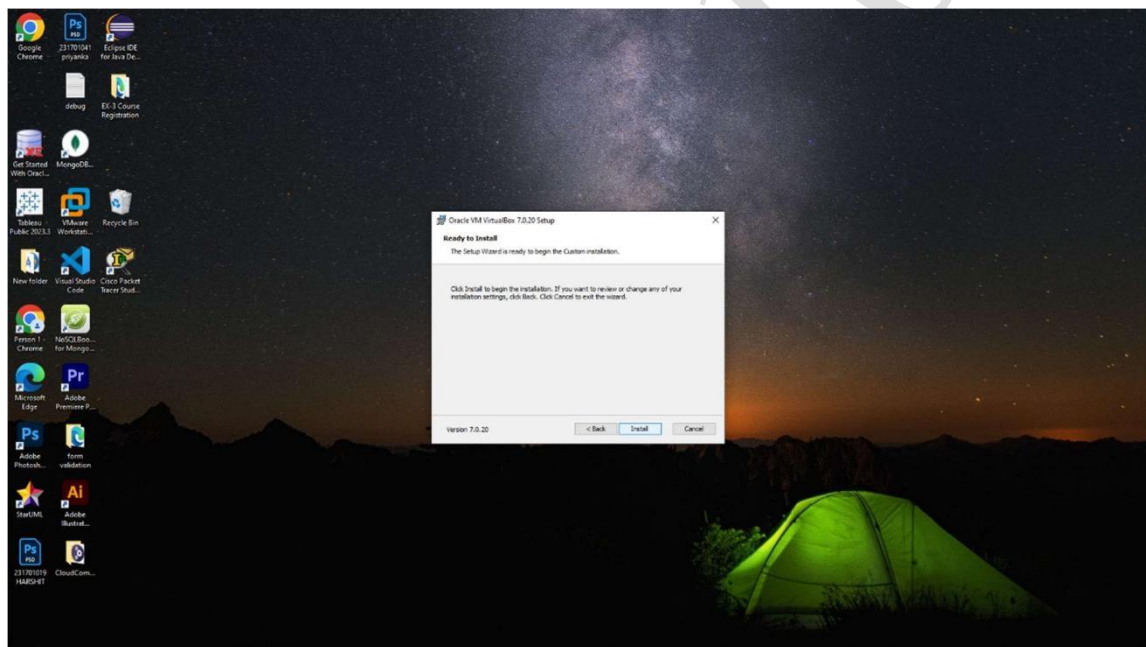
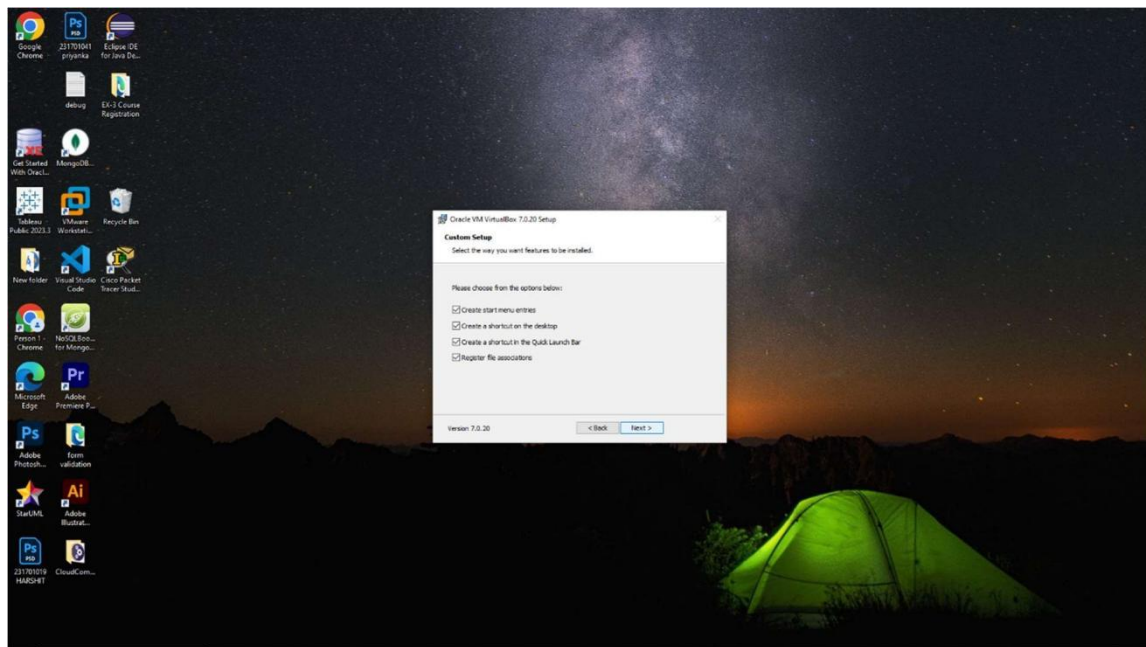
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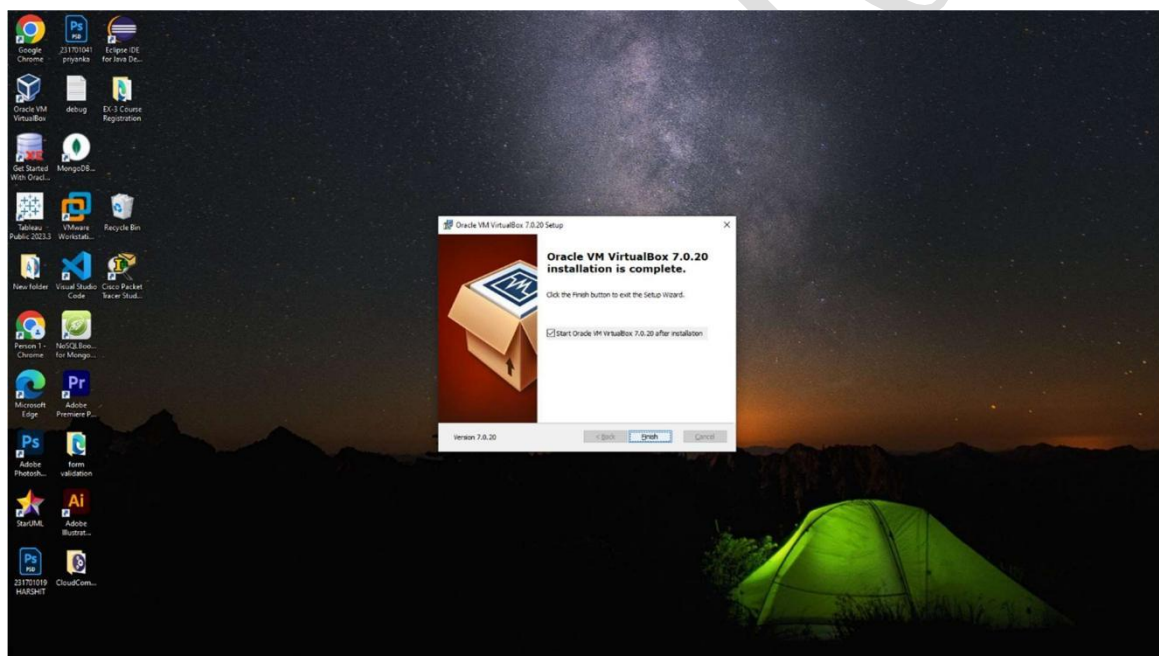
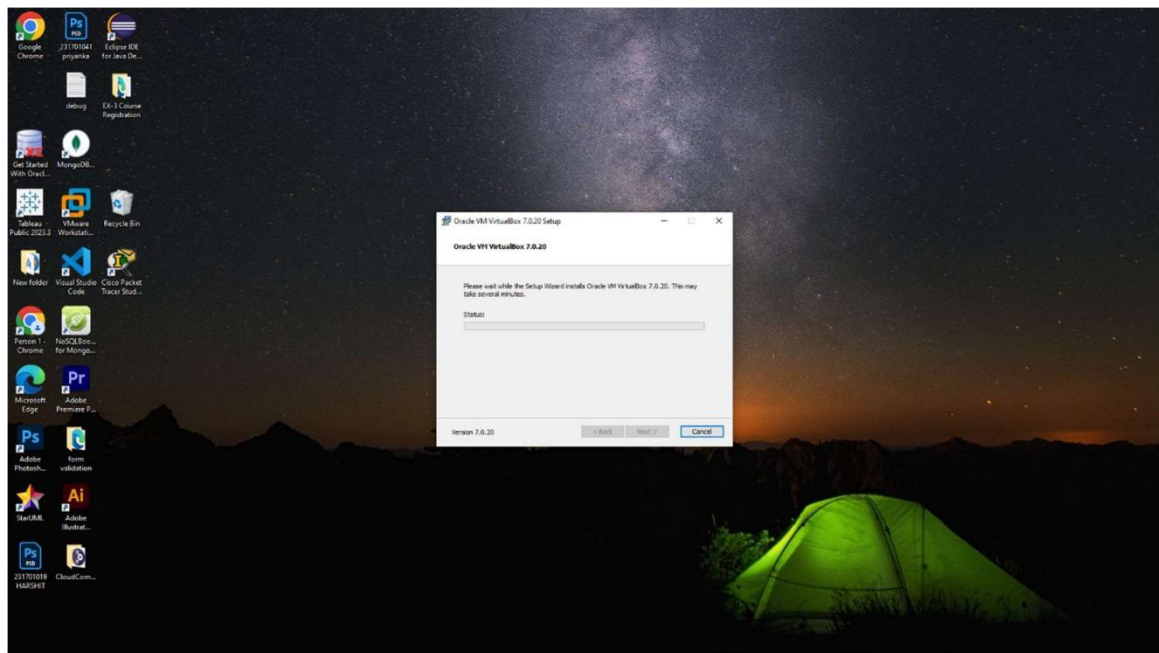
Typical Configuration



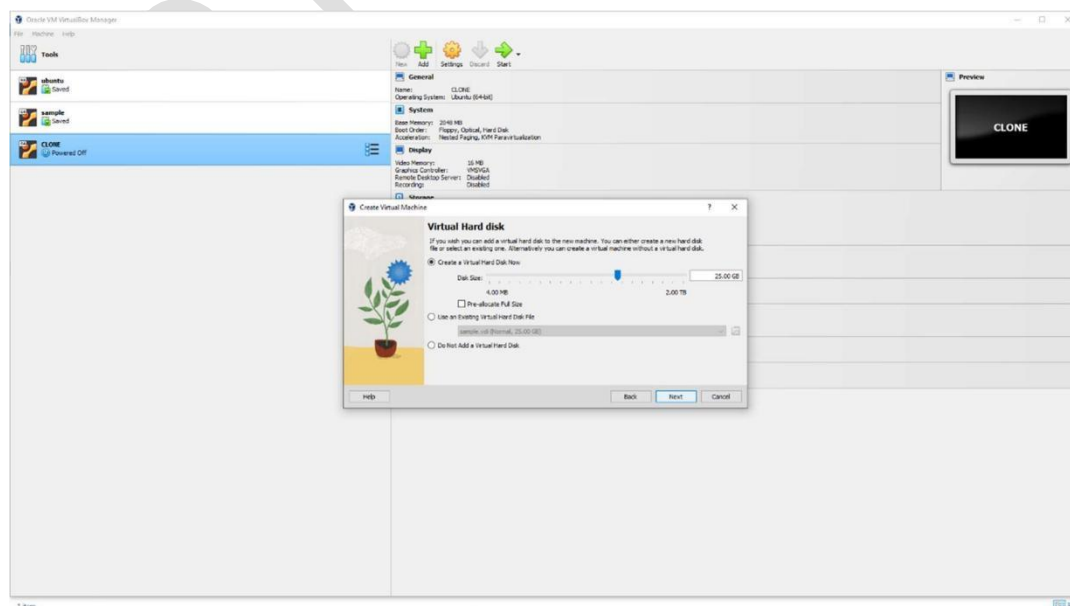
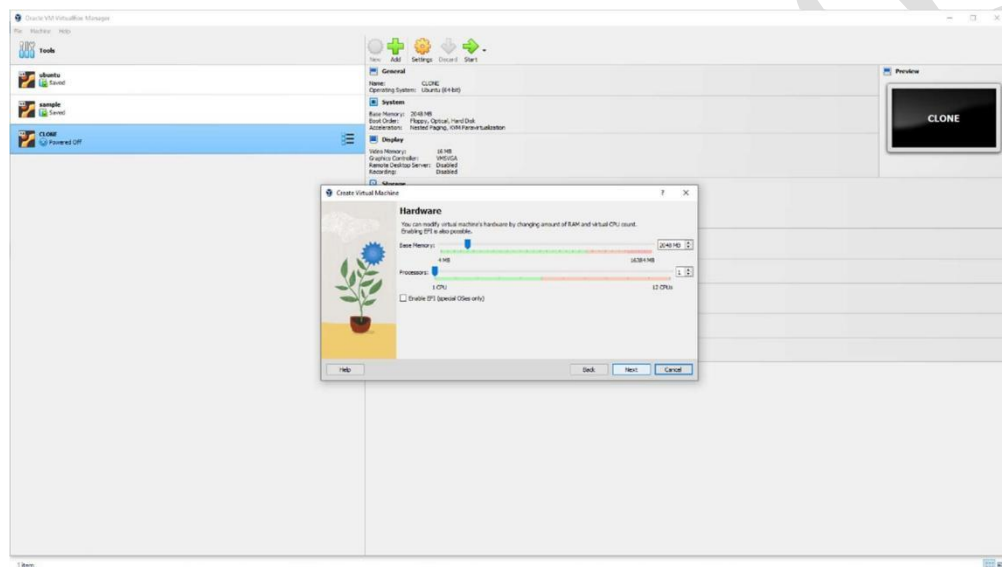
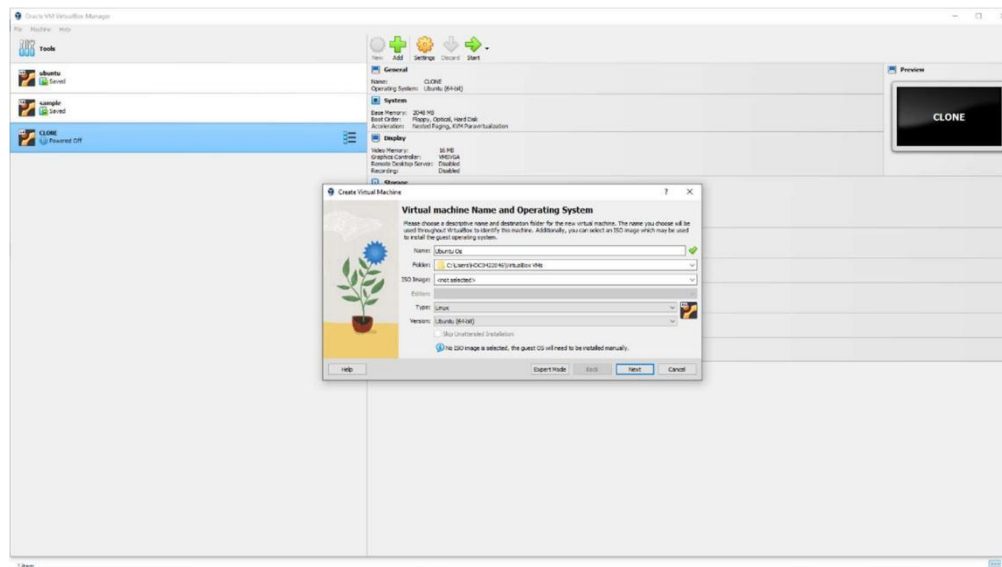


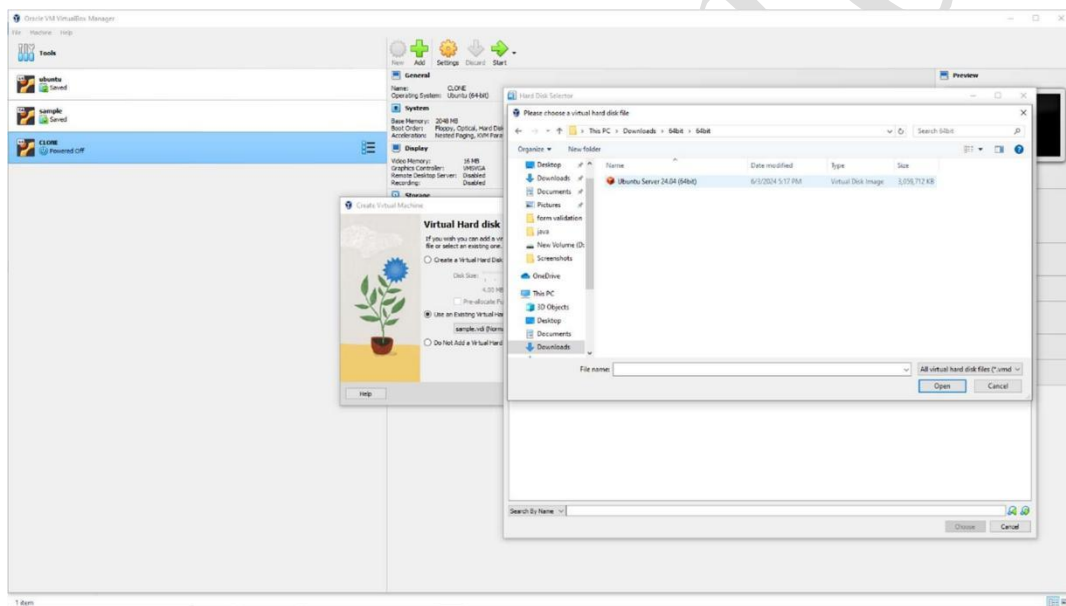
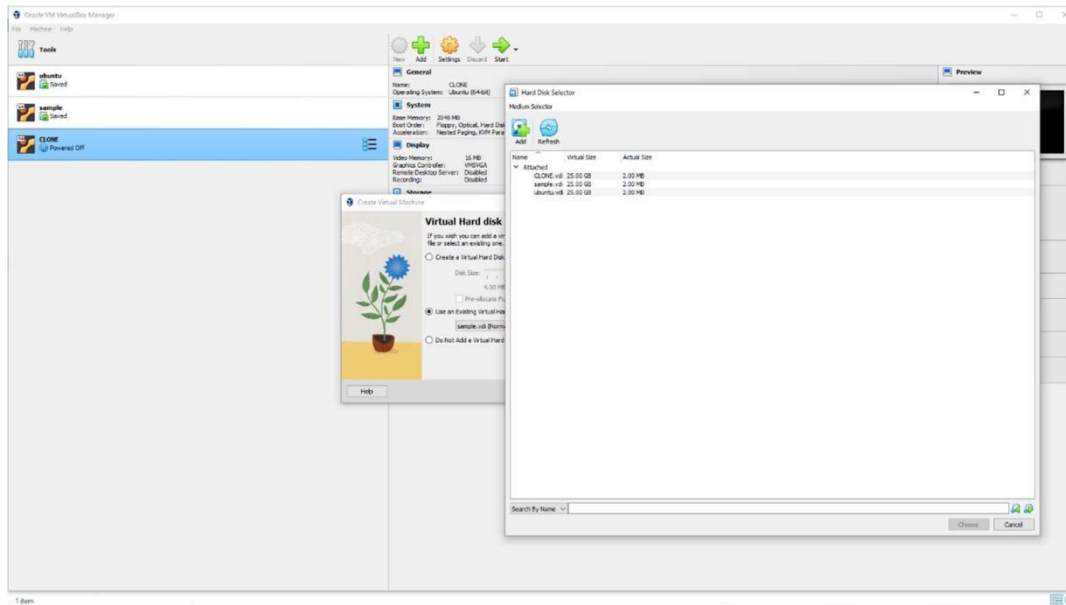


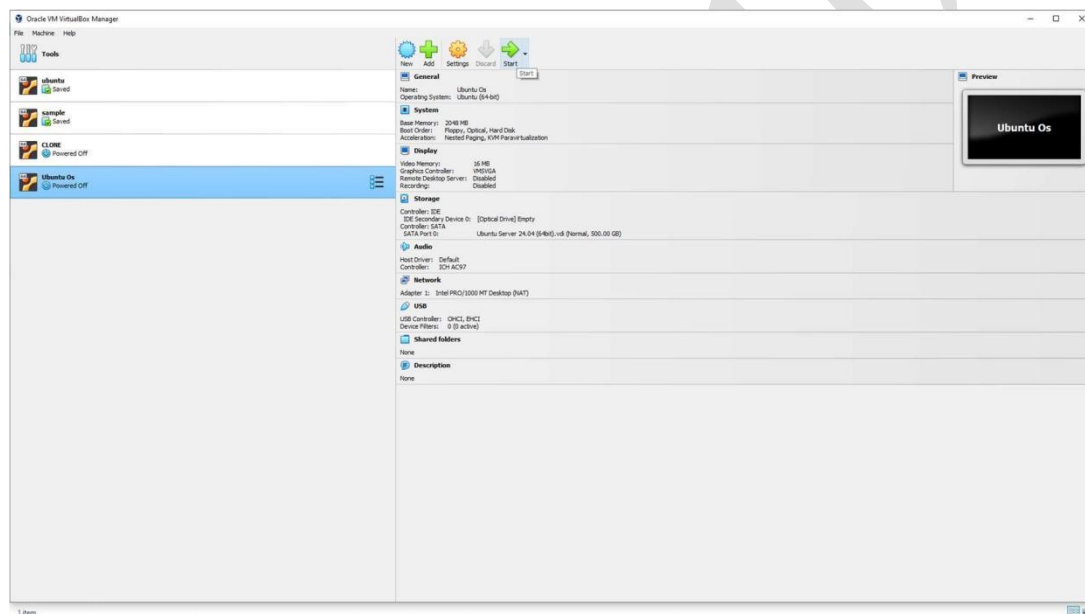
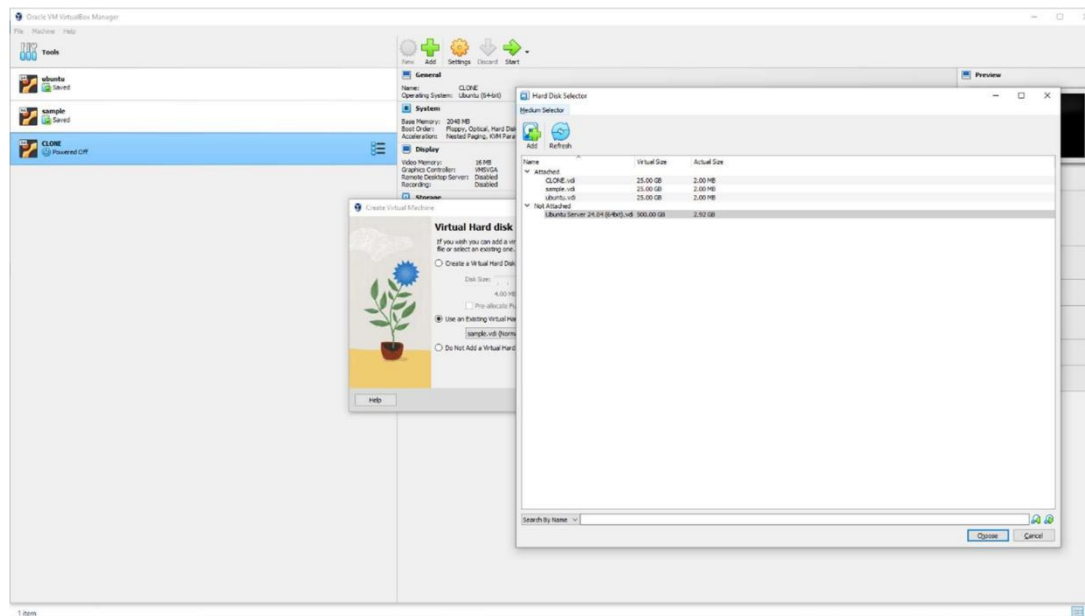




Custom configuration:







RESULT:

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