

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



**RAJALAKSHMI**  
**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

Reg. No : 210701103

Name : P.Kanaga Shanmugam

Branch : CSE

Year/Section : IV-B

Ex.No	List of Experiments	PageNo.	Signature
	<b>VIRTUALIZATION</b>		
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		
	<b>PUBLIC CLOUD</b>		
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		
	<b>CLOUD SIMULATION</b>		
7	Model a cloud environment using CloudSim		
8	Implement RoundRobin task scheduling in both TimeShared and SpaceShared CPU assignment		
	<b>HADOOP – MAP REDUCE</b>		
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:**

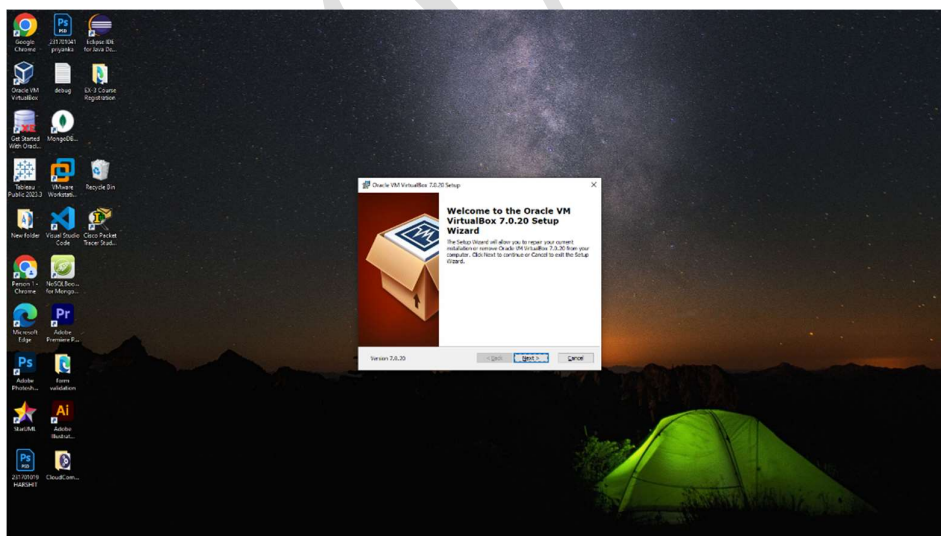
To configure a Virtual Machine using VM ware and Launch the VM and execute a simple program using C/PYTHON/JAVA.

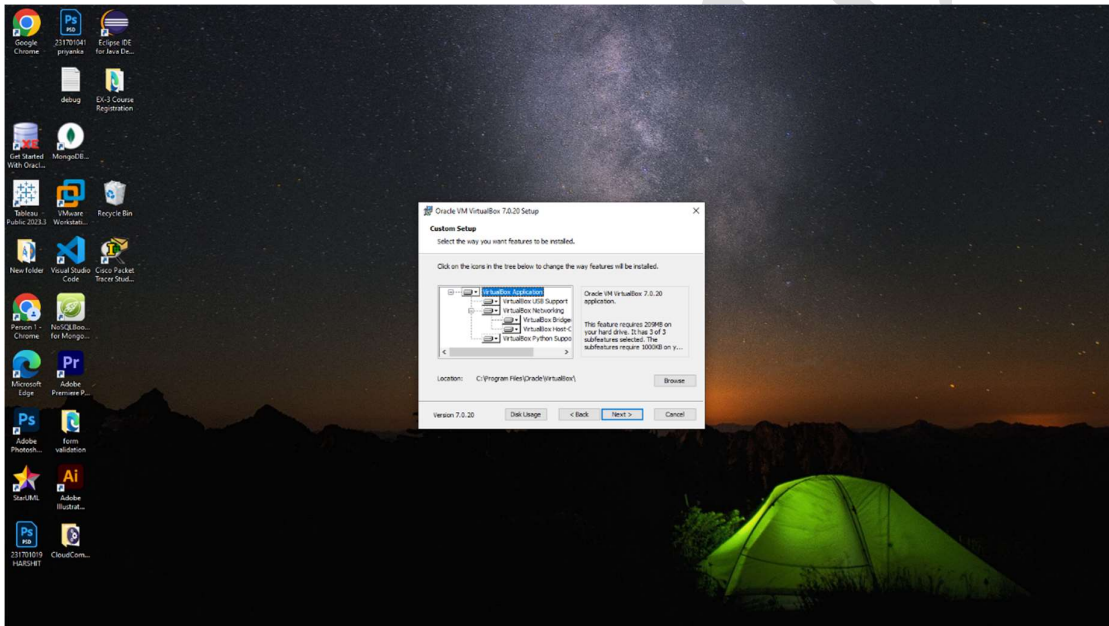
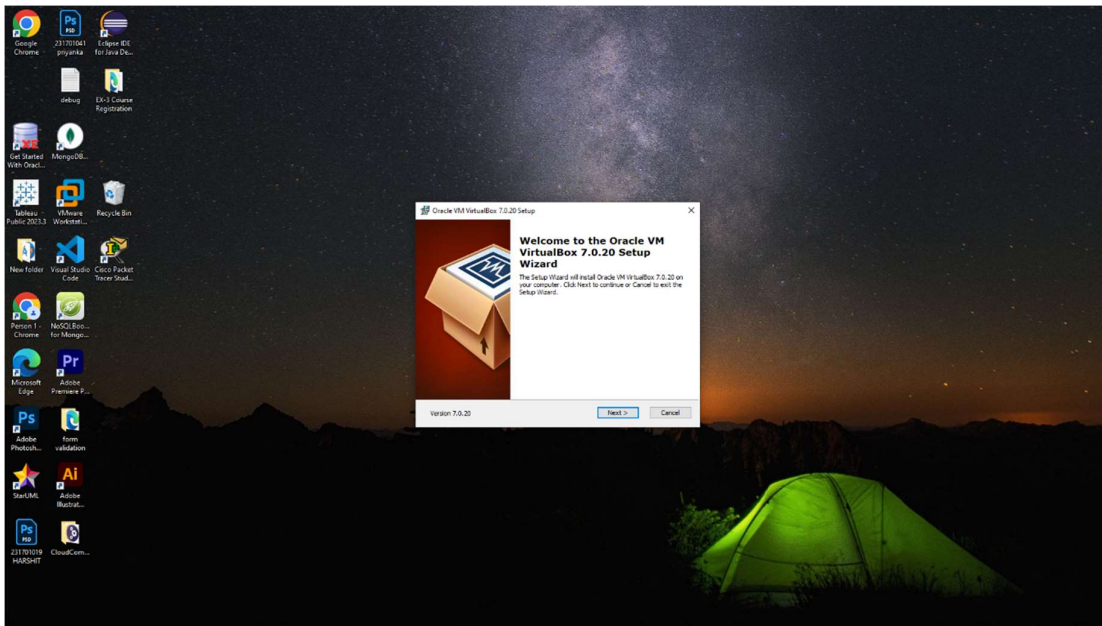
#### **PROCEDURE:**

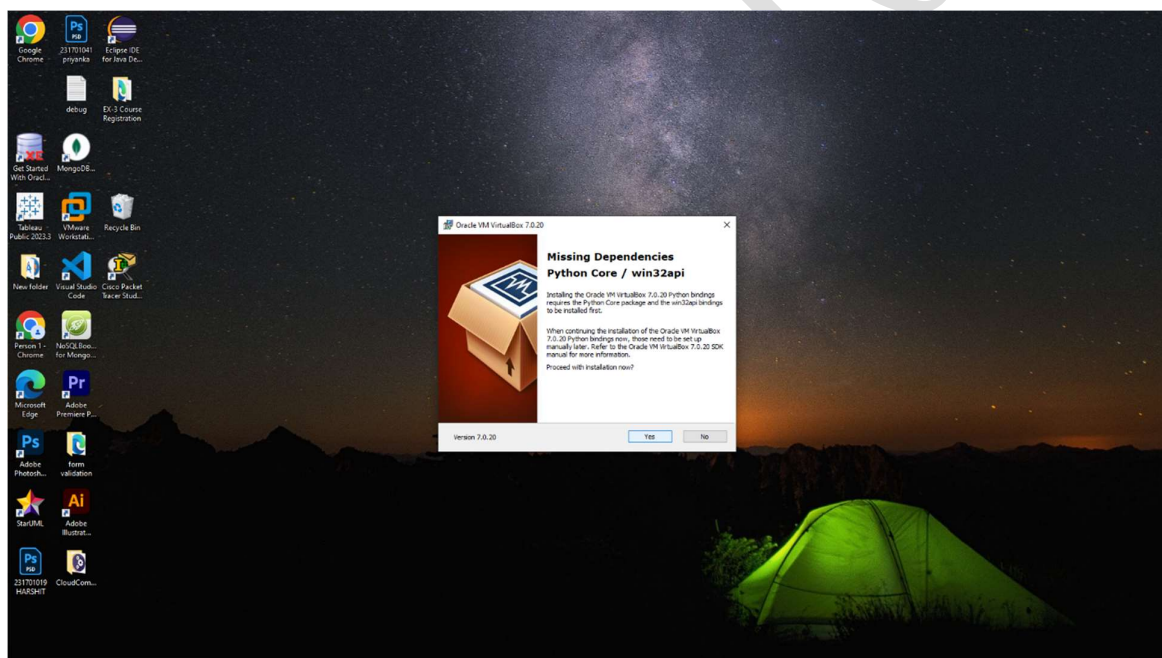
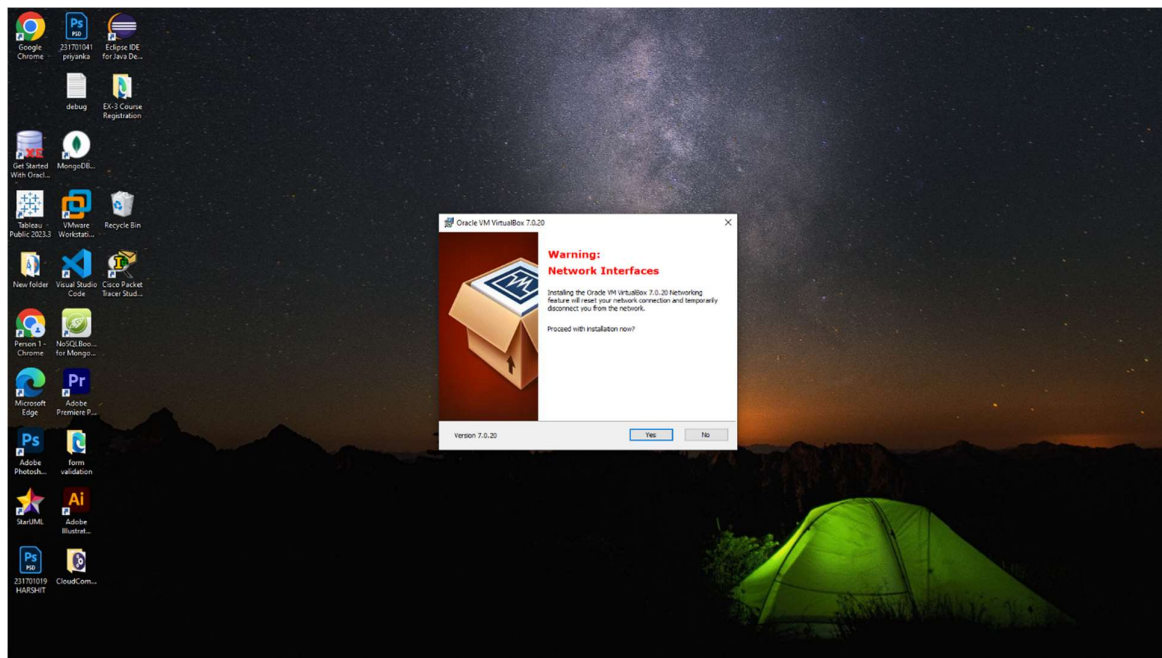
1. Launch a VM ware
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

#### **OUTPUT:**

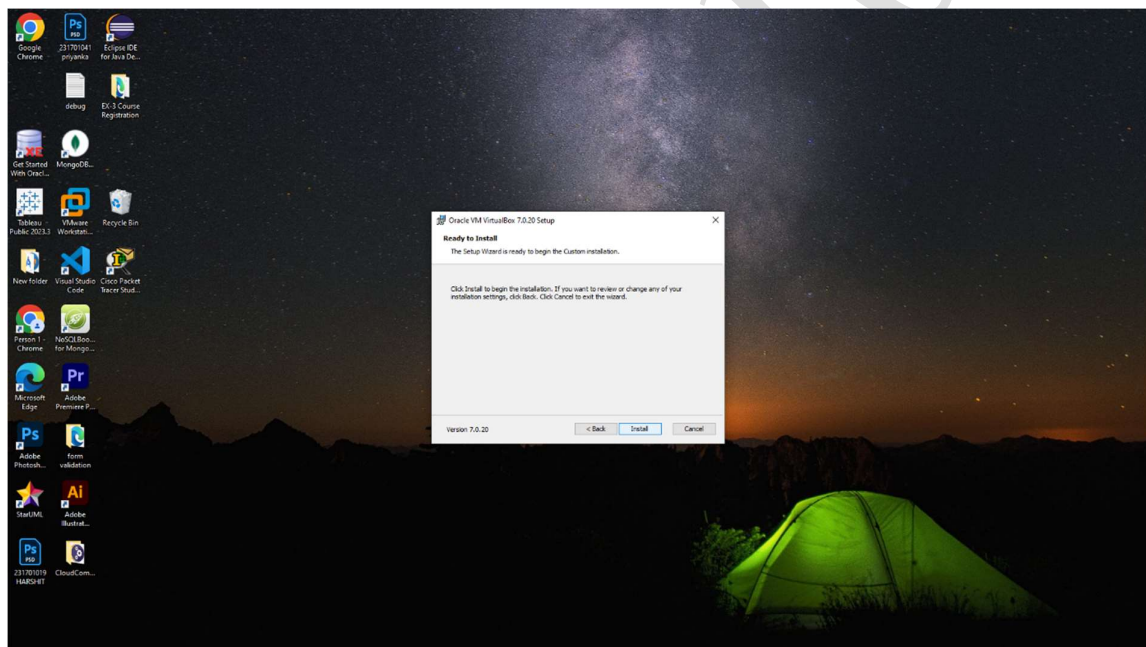
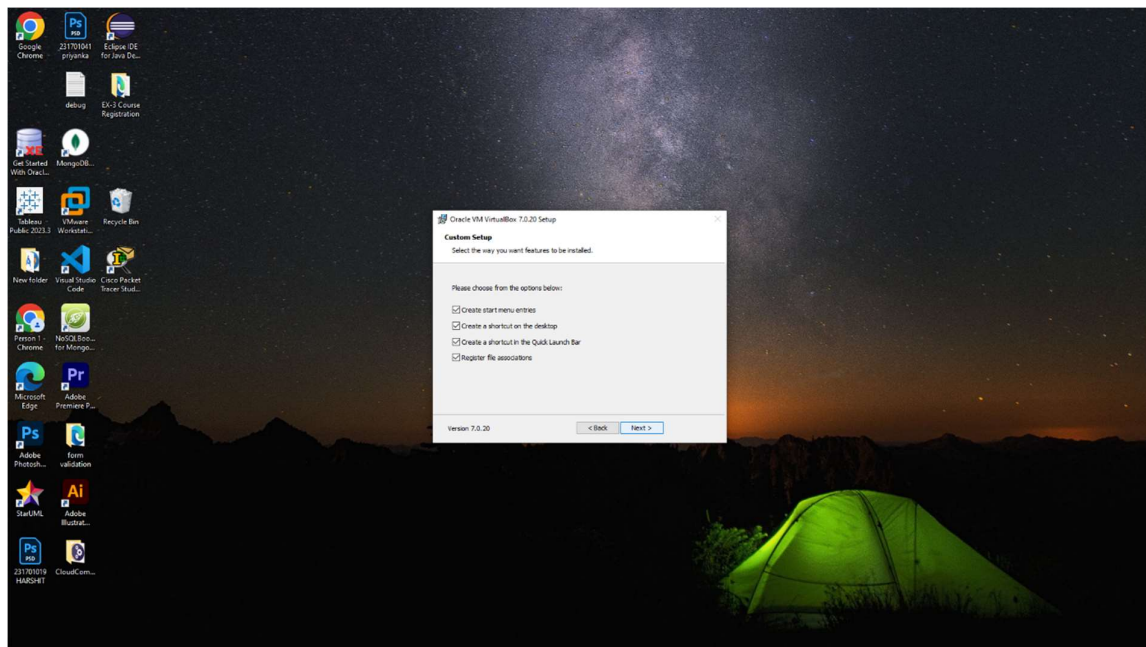
##### **Typical Configuration**

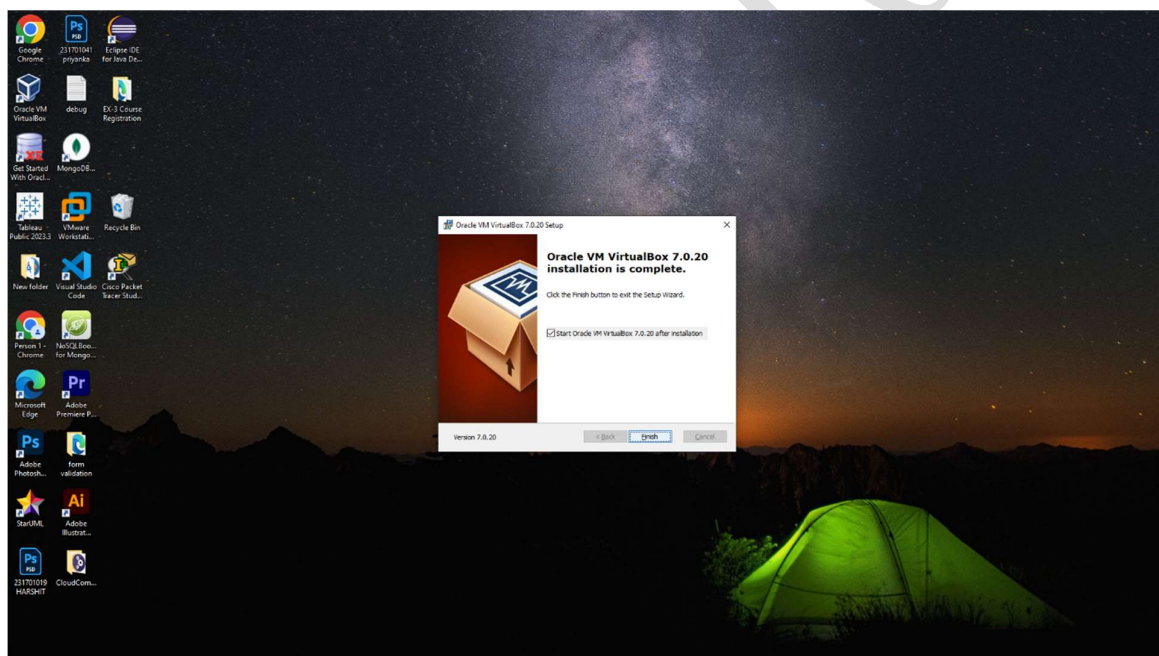
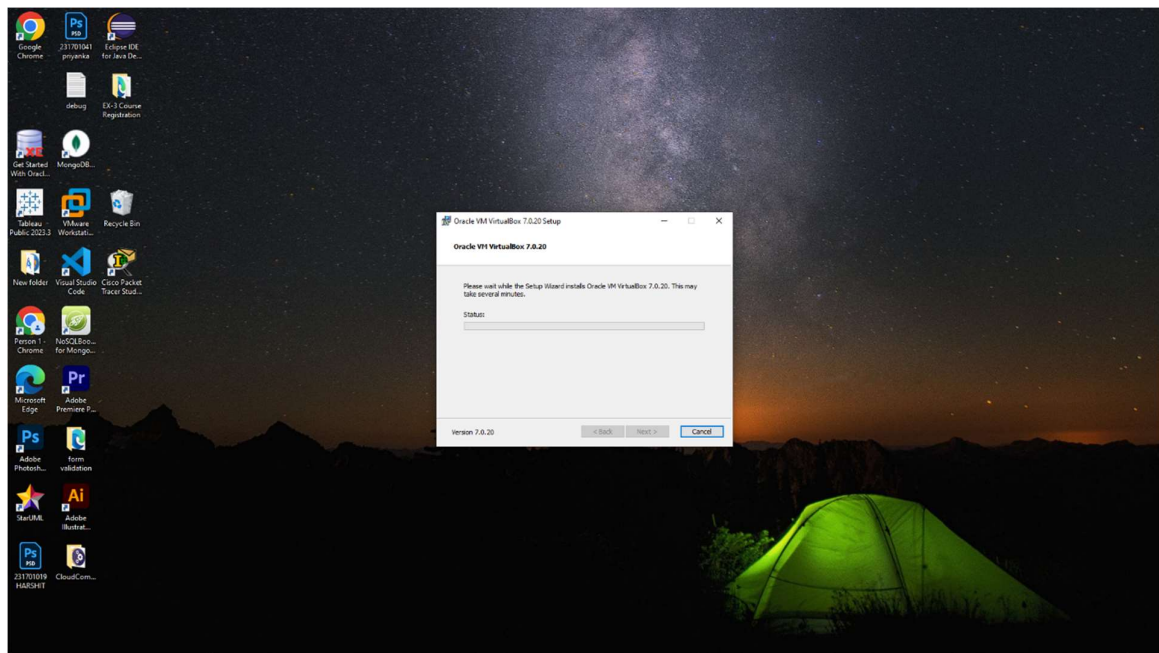




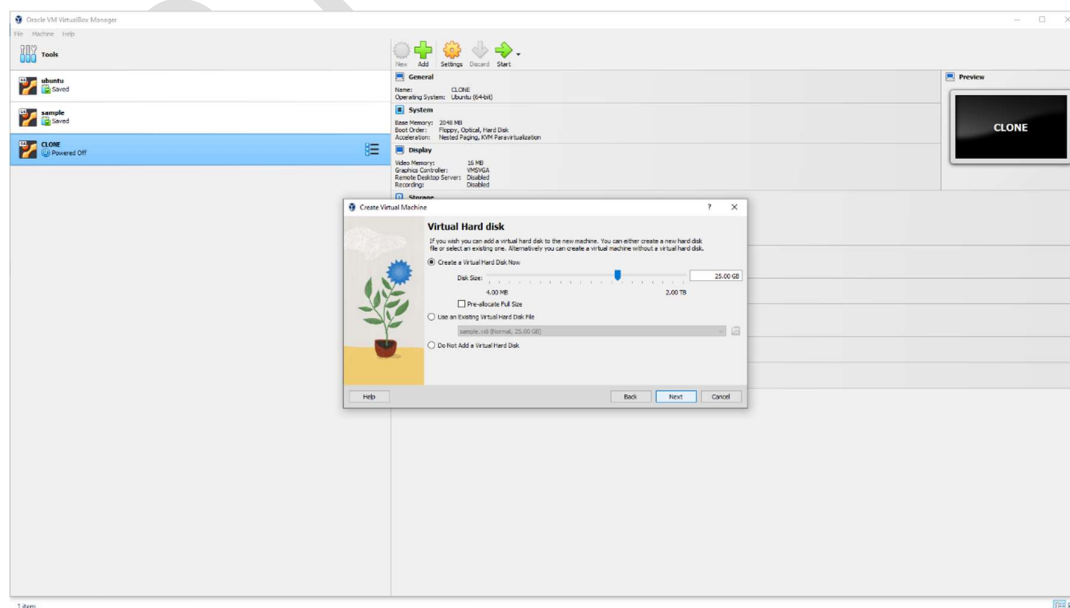
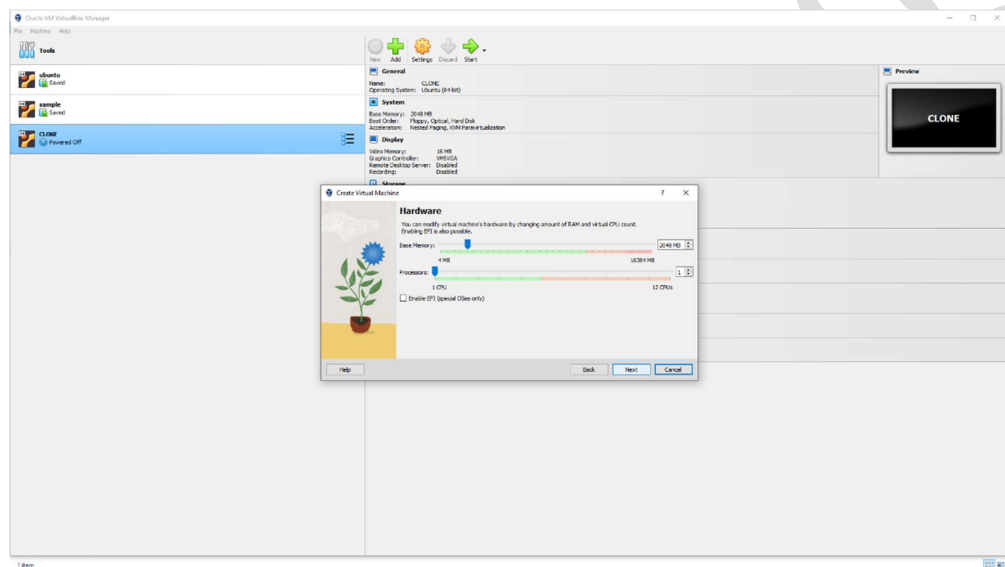
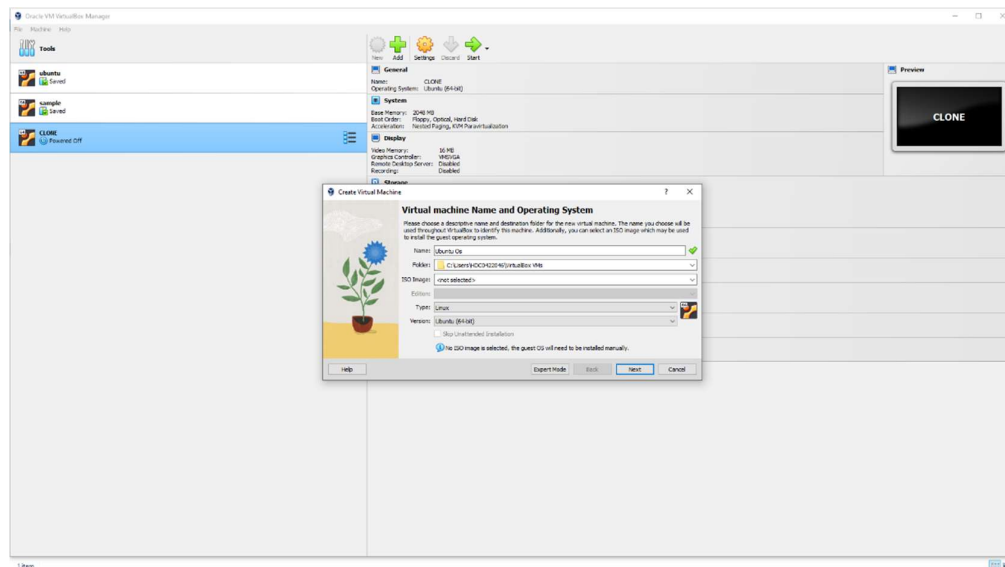




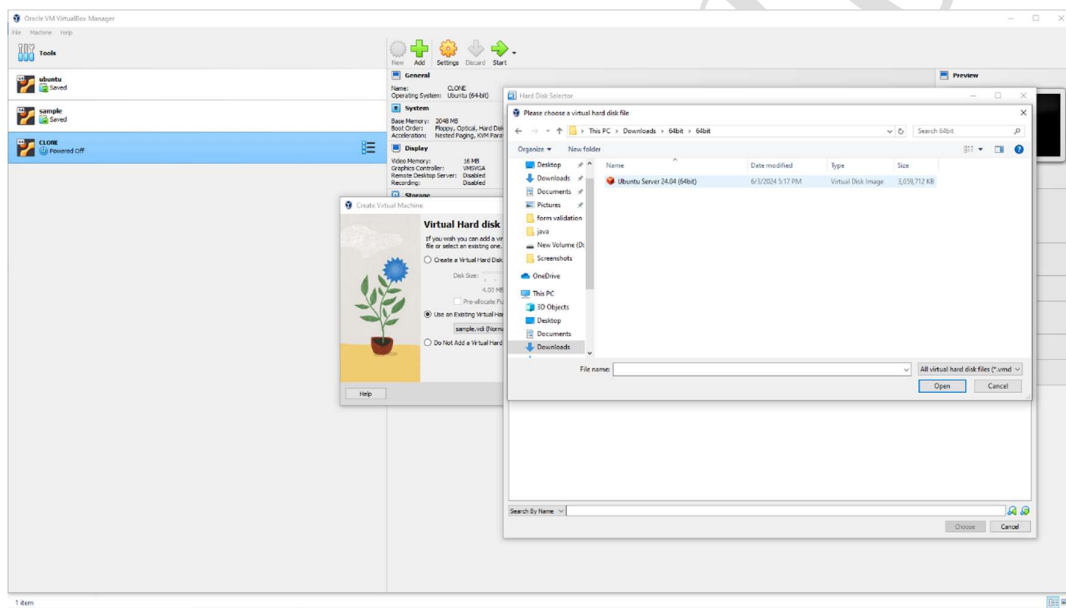
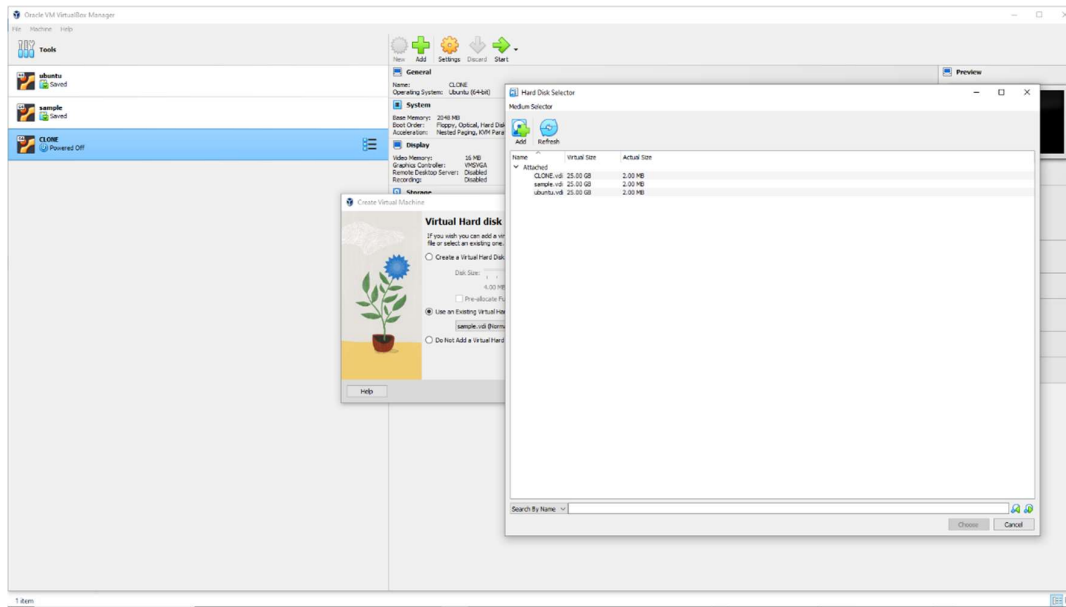


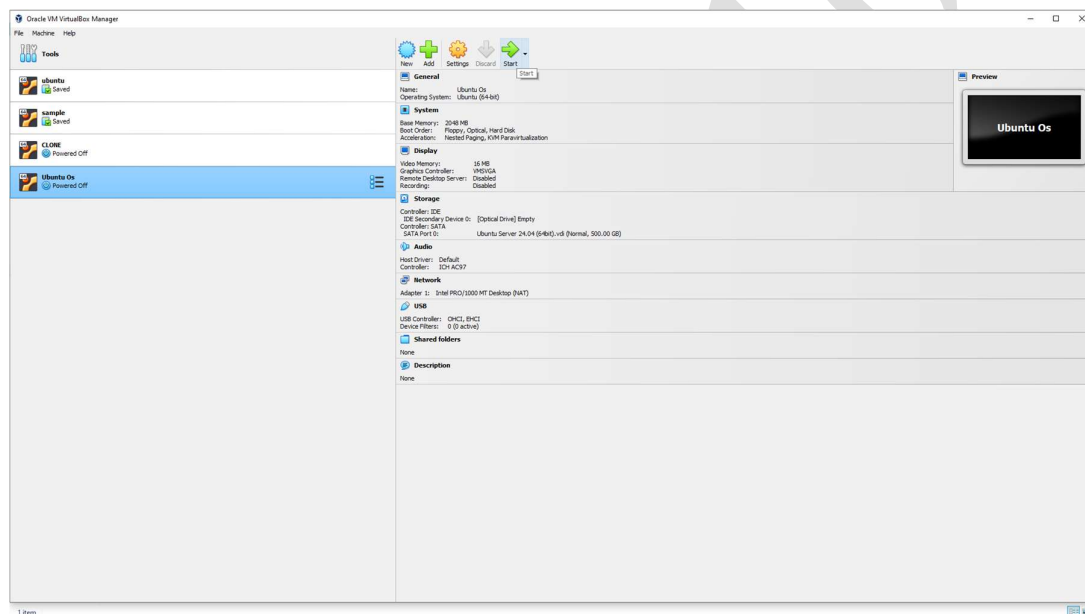
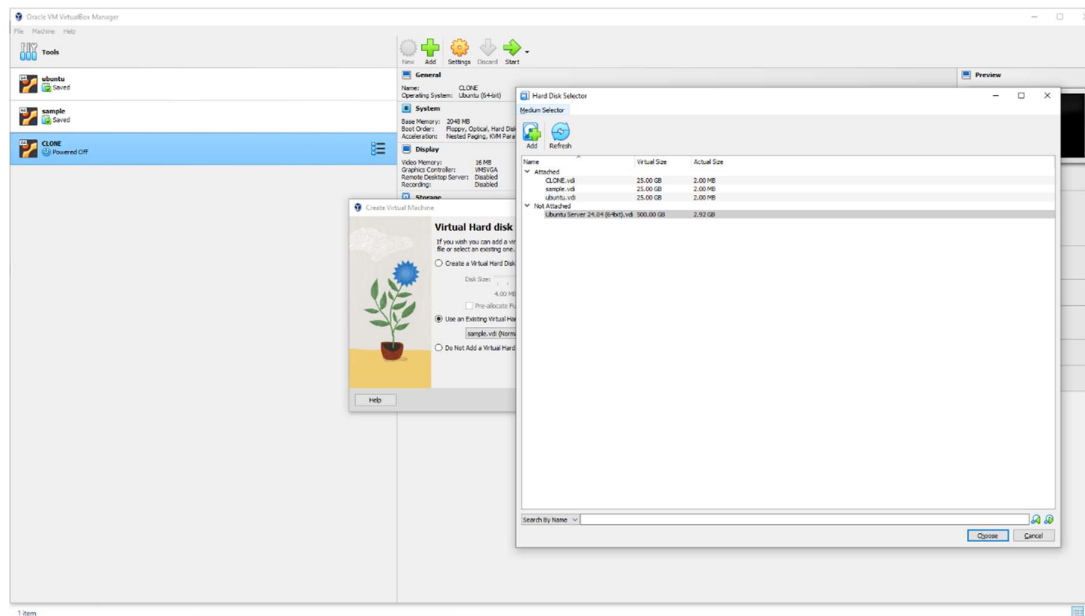


**Custom configuration:**









## RESULT:

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