EXP NO 7. Create a Virtual Machine with 1 CPU, 2GB RAM and 15GB storage disk using a Type 2

Virtualization Software, using virtual box.

DATE:

AIM:

To create a virtual machine with **1 CPU, 2GB RAM, and 15GB storage disk** using a Type-2 virtualization software (VirtualBox).

PROCEDURE:

STEP 1: INSTALL ORACLE VIRTUALBOX AS A TYPE-2 HYPERVISOR

STEP 2: DOWNLOAD AN ISO IMAGE FILE OF THE OPERATING SYSTEM (UBUNTU LINUX / WINDOWS).

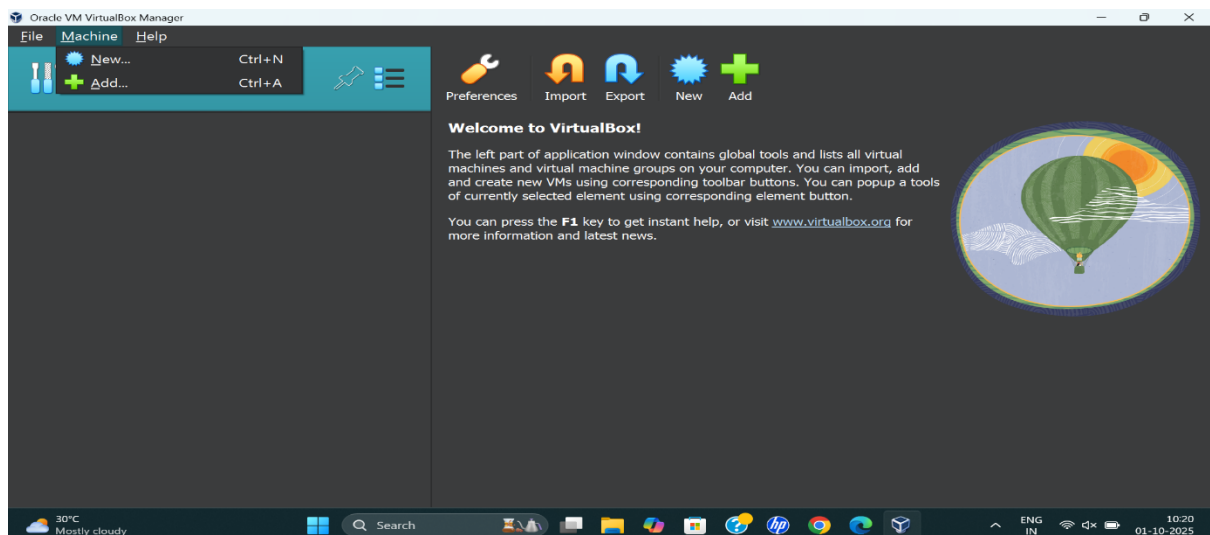STEP 3: OPEN VIRTUALBOX → CLICK NEW → CREATE A NEW VIRTUAL MACHINE.
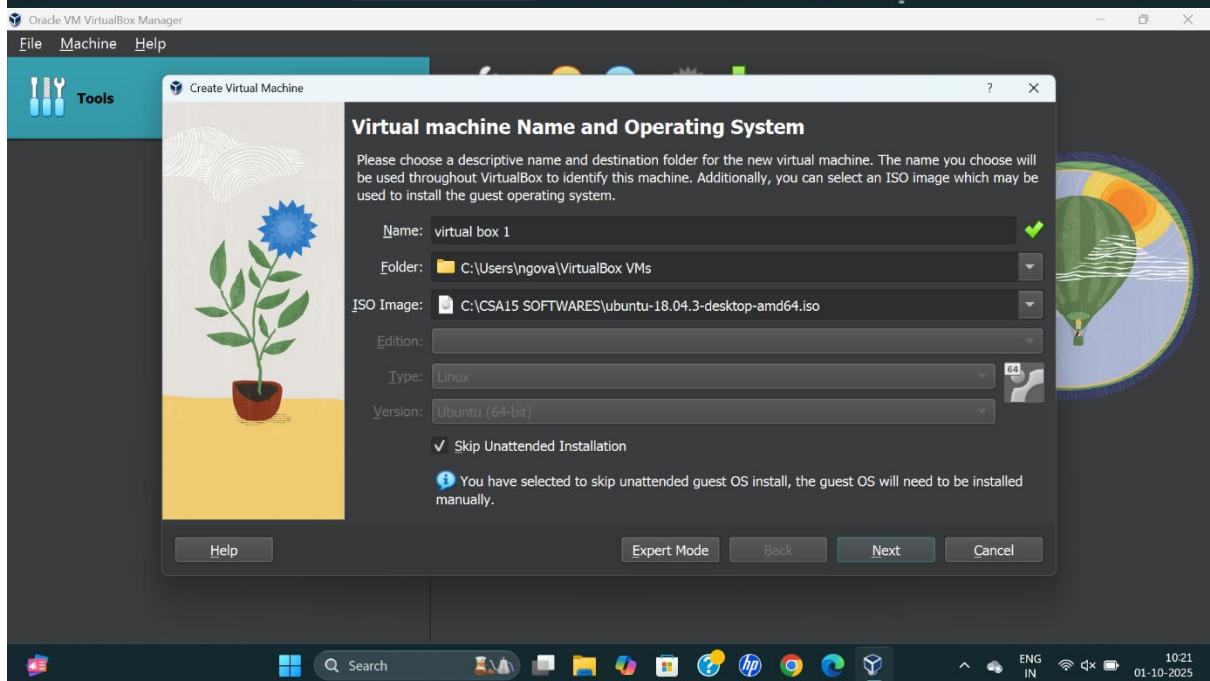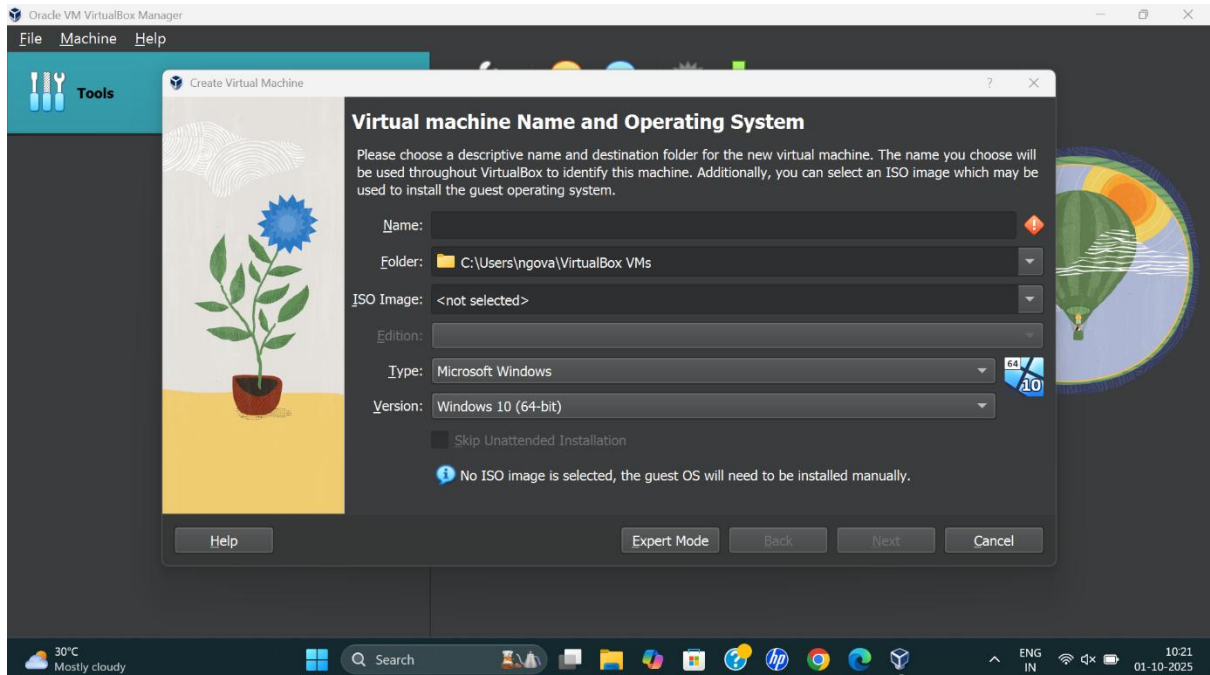
STEP 4: CONFIGURE THE VM

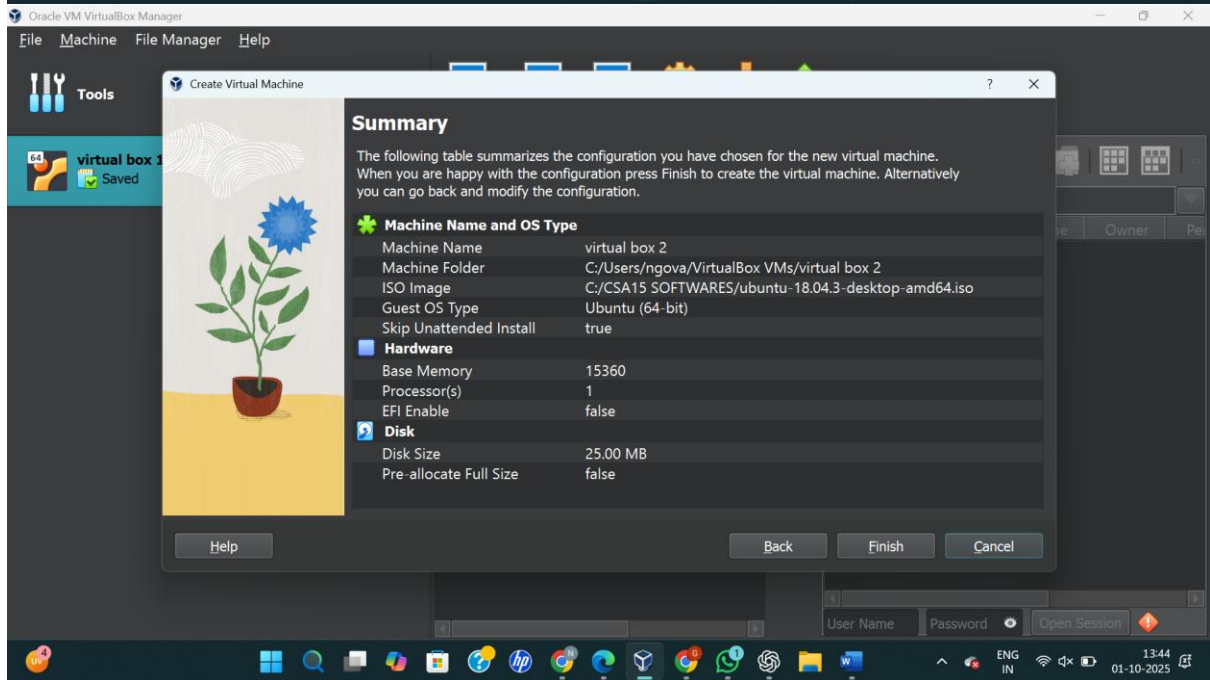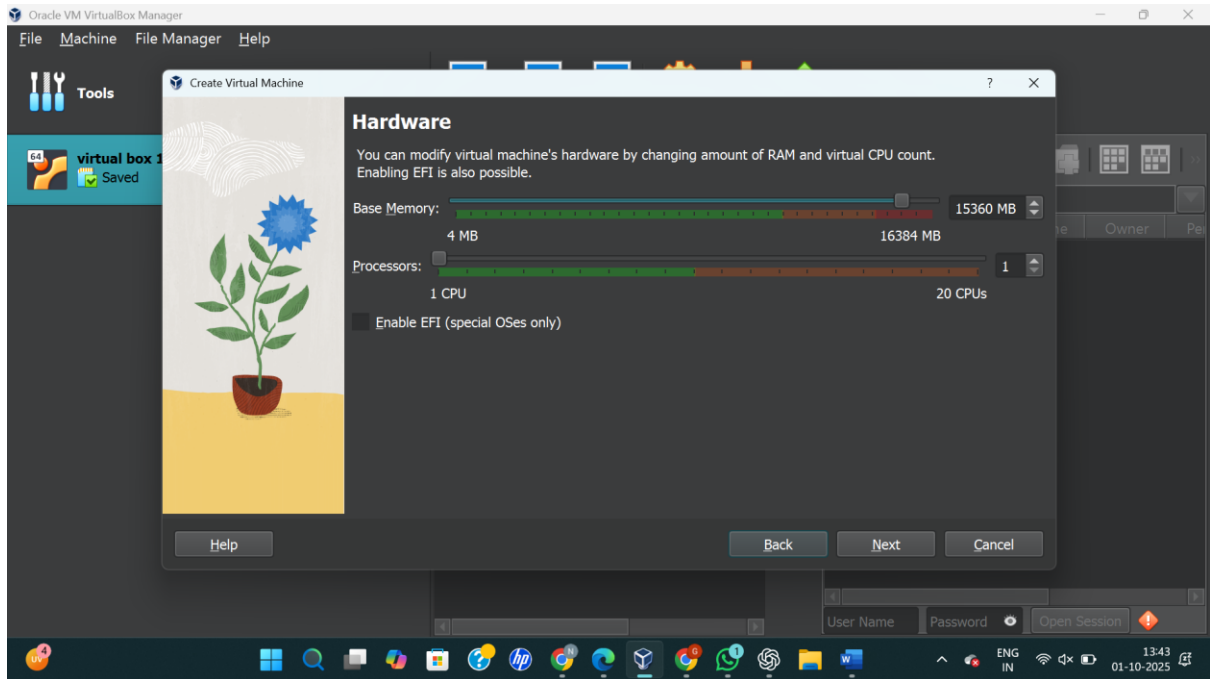STEP 5: PUT THE PROCESSOR AS 1 AND INCREASE THE MEMORY SIZE AS 15 GB
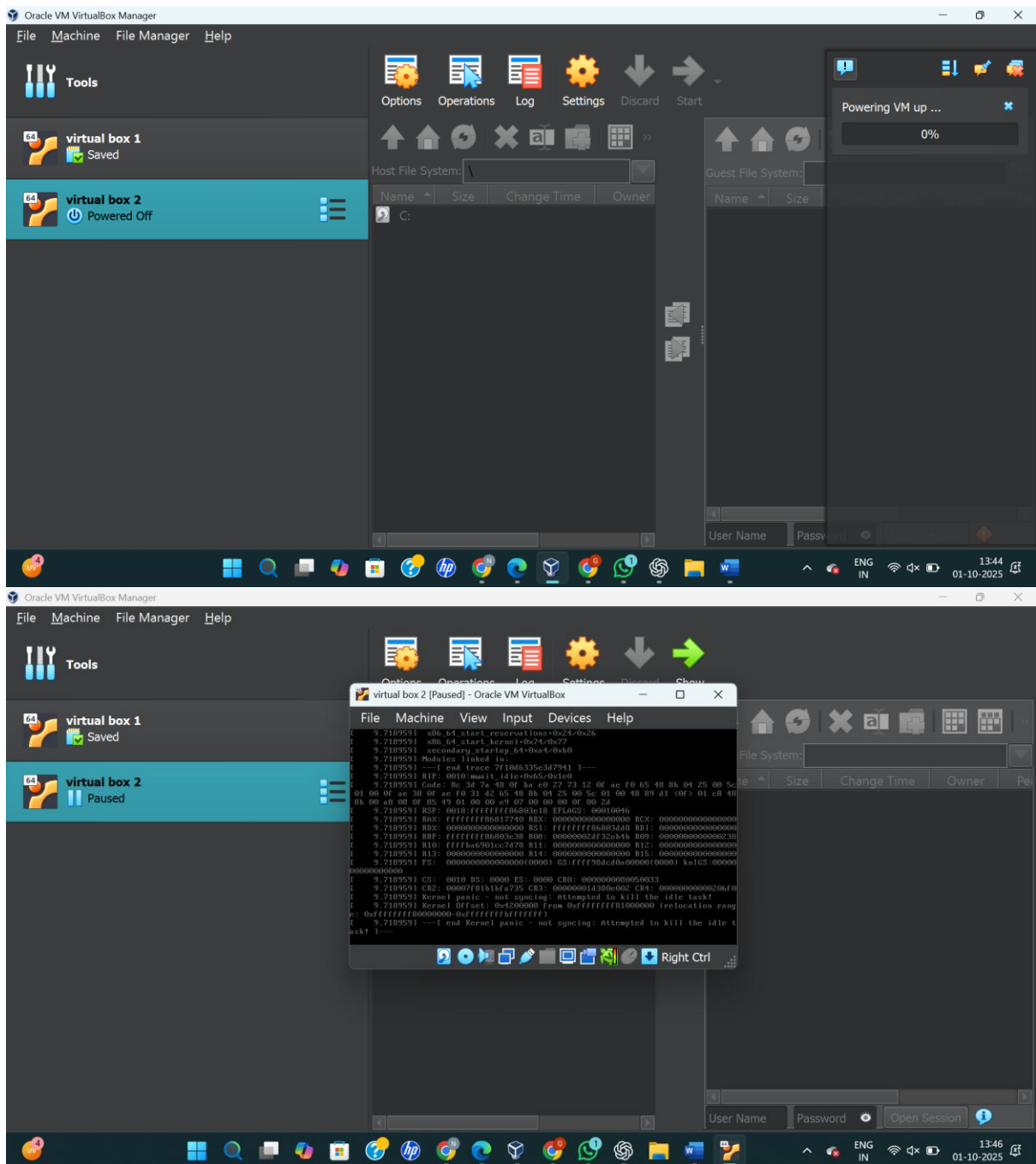
STEP 6: THEN FINISH THE SETUP

DESIGN:

Design:

File   Machine   File Manager   Help

Tools

virtual box 1
Saved

Create Virtual Machine   ?   ×

Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count.
Enabling EFI is also possible.

Base Memory: 15360 MB

4 MB   16384 MB

Processors: 1

1 CPU   20 CPUs

☐ Enable EFI (special OSes only)

Help   Back   Next   Cancel

User Name   Password   ◉   Open Session

ENG
IN   13:43
01-10-2025

File   Machine   File Manager   Help

Tools

virtual box 1
Saved

Create Virtual Machine   ?   ×

Summary

The following table summarizes the configuration you have chosen for the new virtual machine.
When you are happy with the configuration press Finish to create the virtual machine. Alternatively
you can go back and modify the configuration.

✳ **Machine Name and OS Type**	
Machine Name	virtual box 2
Machine Folder	C:/Users/ngova/VirtualBox VMs/virtual box 2
ISO Image	C:/CSA15 SOFTWARES/ubuntu-18.04.3-desktop-amd64.iso
Guest OS Type	Ubuntu (64-bit)
Skip Unattended Install	true
▪ **Hardware**	
Base Memory	15360
Processor(s)	1
EFI Enable	false
▣ **Disk**	
Disk Size	25.00 MB
Pre-allocate Full Size	false

Help   Back   Finish   Cancel

User Name   Password   ◉   Open Session

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RESULT:

A virtual machine with 1 CPU, 2GB RAM, and 15GB storage disk was successfully created and configured using Oracle VirtualBox (Type-2 Hypervisor).