EXP NO 8. Create a Virtual Hard Disk and allocate the storage using virtual box.

DATE:

AIM:

To create a virtual hard disk and allocate the storage using Oracle VirtualBox (Type-2 Hypervisor).

PROCEDURE:

STEP 1: Open Oracle VirtualBox and select the virtual machine where you want to add a new hard disk.

STEP 2: Right-click on the VM and select Settings.

STEP 3: Go to Storage → Click on the Controller (SATA/SCSI/IDE) → Click Add Hard Disk.
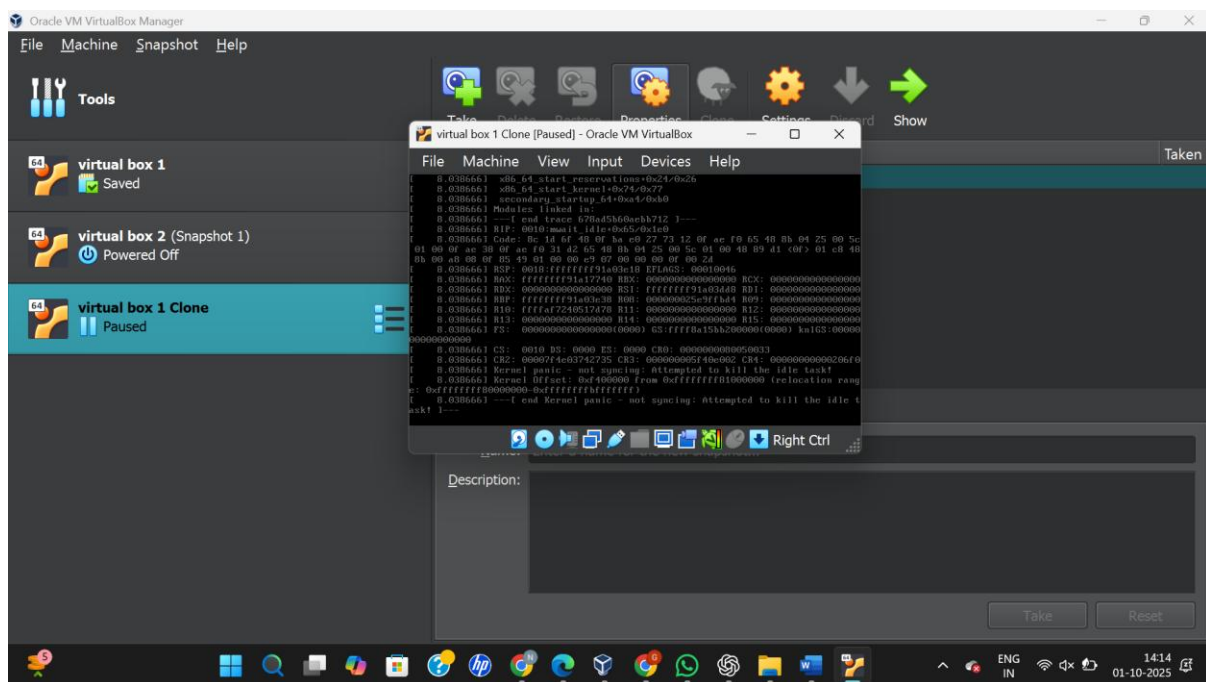
STEP 4: In the wizard, select Create New Disk.

STEP 5: Choose VDI (VirtualBox Disk Image) as the disk type and click Next.
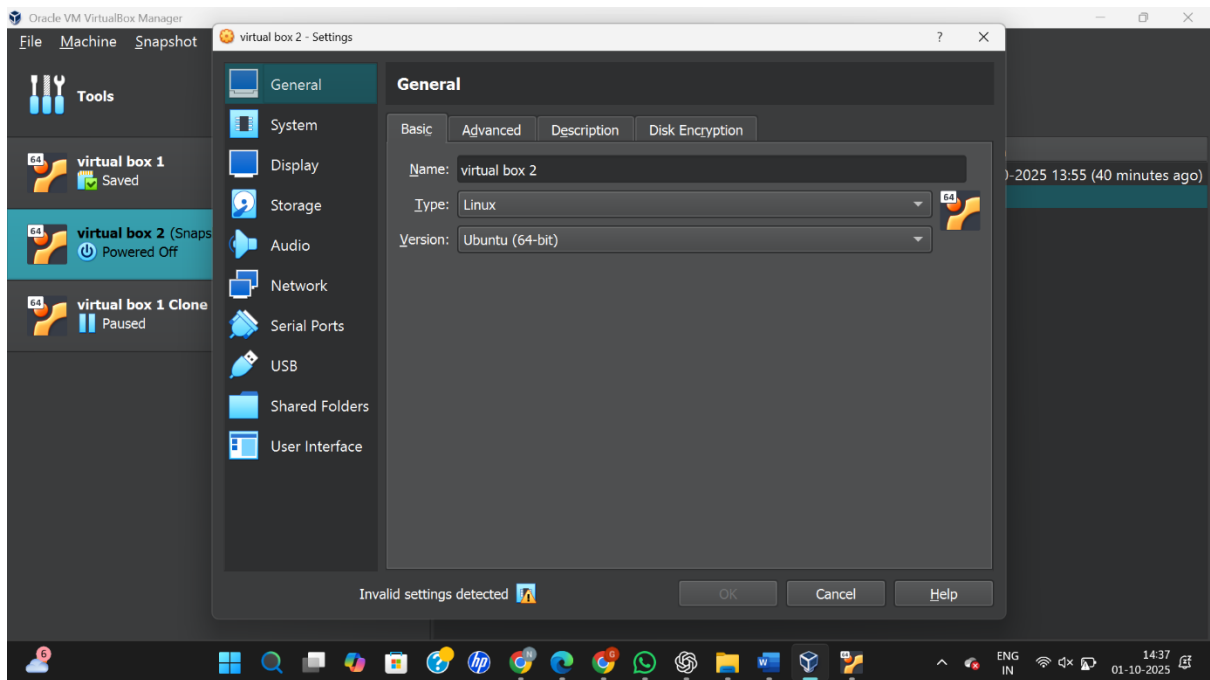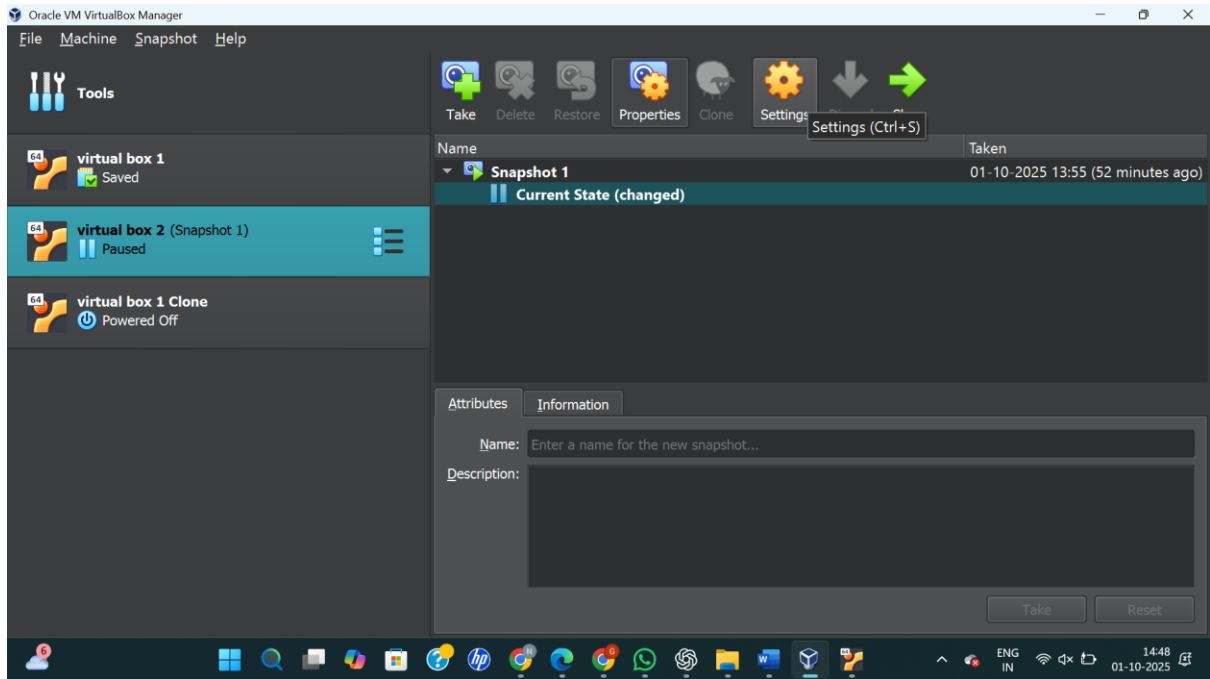
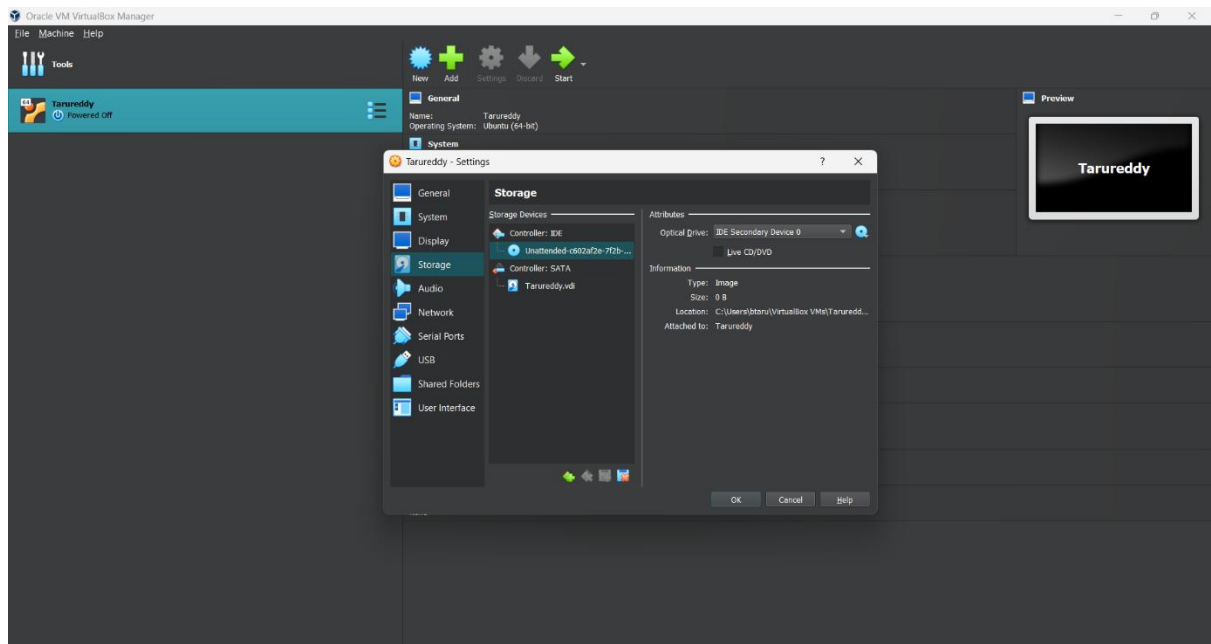STEP 6: Select Dynamically allocated or Fixed size based on requirement.

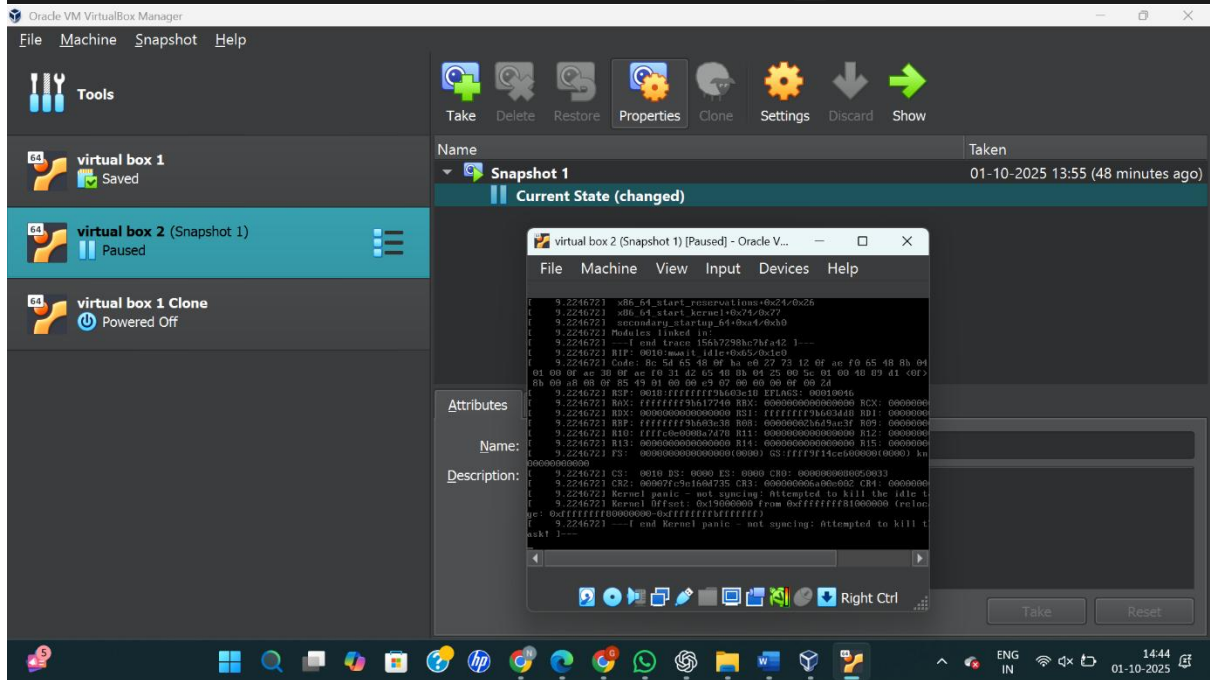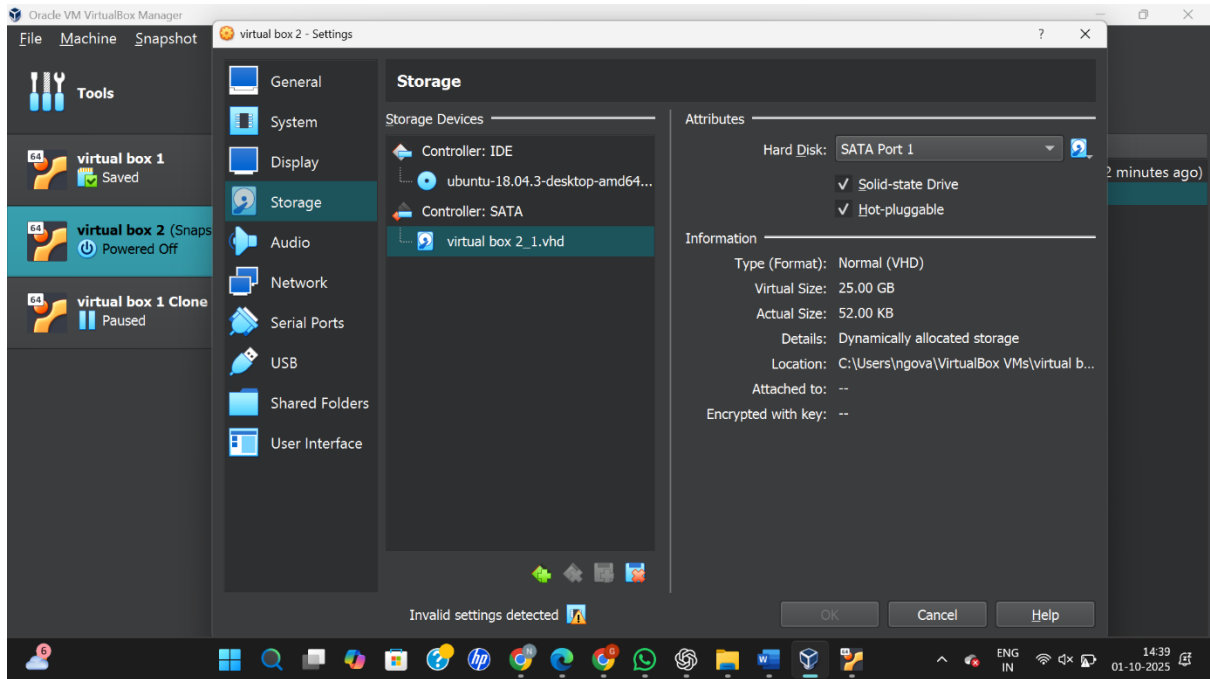STEP 7: Specify the disk size (e.g., 2 GB) → Enter a file name → Click Create.

STEP 8: The new virtual hard disk will now be added and allocated to the selected VM.

DESIGN:

Oracle VM VirtualBox Manager

File   Machine   Snapshot

Tools

virtual box 1
Saved

virtual box 2 (Snaps...
Powered Off

virtual box 1 Clone
Paused

virtual box 2 - Settings

Storage

General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface

Storage Devices

Controller: IDE
  ubuntu-18.04.3-desktop-amd64...
Controller: SATA
  virtual box 2_1.vhd

Attributes

Hard Disk: SATA Port 1
  ☑ Solid-state Drive
  ☑ Hot-pluggable

Information
Type (Format):   Normal (VHD)
Virtual Size: 25.00 GB
Actual Size: 52.00 KB
Details: Dynamically allocated storage
Location: C:\Users\ngova\VirtualBox VMs\virtual b...
Attached to: --
Encrypted with key: --

Invalid settings detected ⚠

OK   Cancel   Help

Oracle VM VirtualBox Manager

File   Machine   Snapshot   Help

Tools

virtual box 1
Saved

virtual box 2 (Snapshot 1)
Paused

virtual box 1 Clone
Powered Off

Take   Delete   Restore   Properties   Clone   Settings   Discard   Show

Name   Taken
Snapshot 1   01-10-2025 13:55 (48 minutes ago)
  Current State (changed)

virtual box 2 (Snapshot 1) [Paused] - Oracle V...

File   Machine   View   Input   Devices   Help

Attributes

Name:

Description:

Right Ctrl

RESULT:
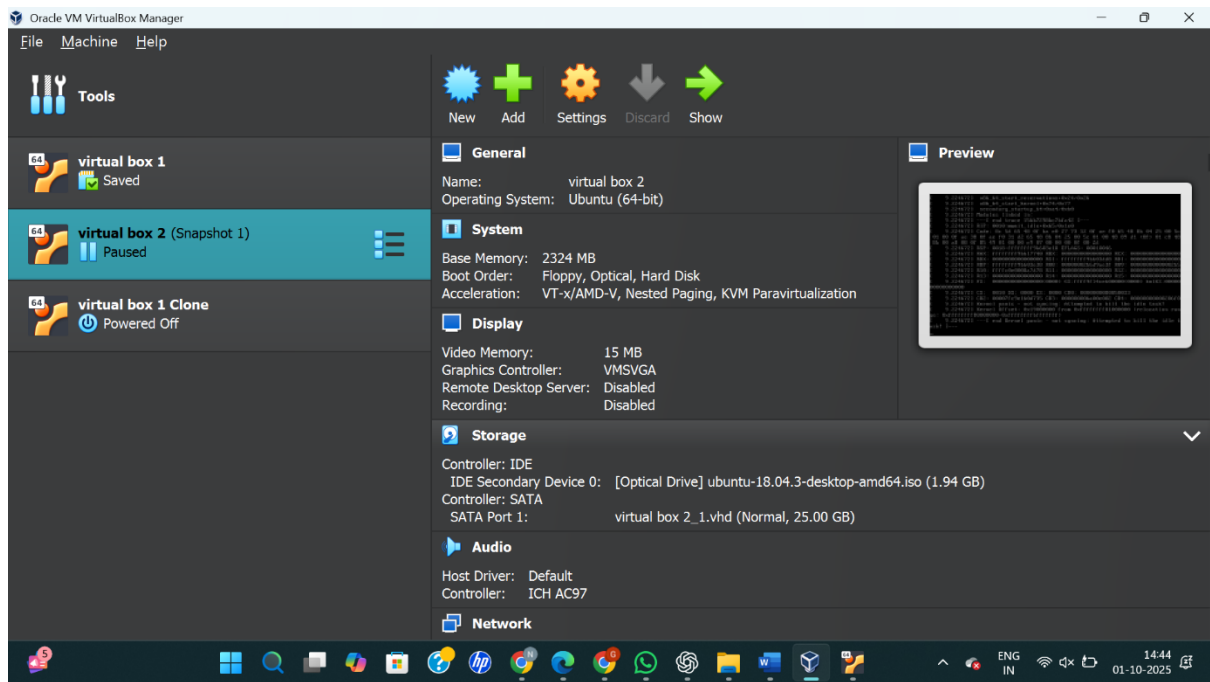
A virtual hard disk was successfully created and allocated to the virtual machine using Oracle VirtualBox.