

VIRTUAL HARDISK

EXPERIMENT – 14

AIM:

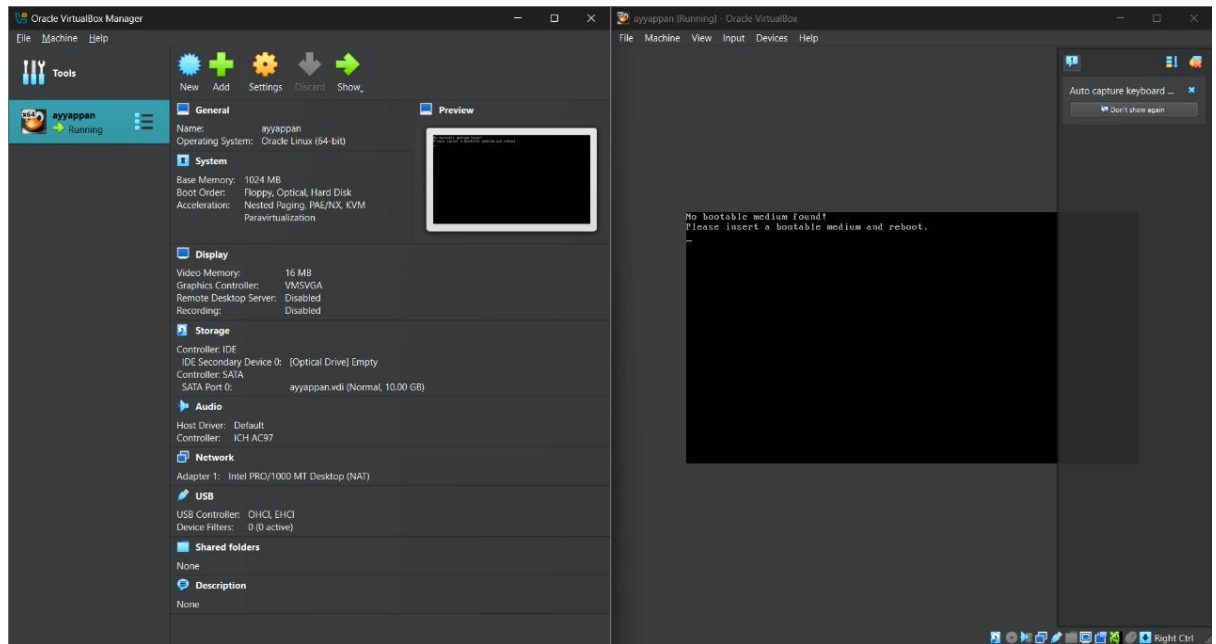
To create a virtual hard disk and allocate storage to a virtual machine using Oracle VirtualBox.

PROCEDURE:

1. **Open Oracle VirtualBox** on your system.
2. Click on the “**New**” button to begin the process of creating a new virtual machine.
3. In the **Name and Operating System** window:
 - Enter the **name** of the virtual machine.
 - Select the **type** (e.g., Linux or Windows).
 - Choose the **version** of the OS (e.g., Ubuntu 64-bit).
 - Click **Next**.
4. In the **Memory Size** step, set the desired RAM allocation (e.g., 2048 MB for 2GB) and click **Next**.
5. In the **Hard Disk** window:
 - Choose “**Create a virtual hard disk now**” and click **Create**.
6. In the **Hard Disk File Type** window:
 - Select **VDI (VirtualBox Disk Image)** and click **Next**.
7. In the **Storage on Physical Hard Disk** window:
 - Choose either **Dynamically Allocated** (grows as data is added) or **Fixed Size** (pre-allocates space).
 - Click **Next**.
8. In the **File Location and Size** step:
 - Specify the **name and location** for the virtual hard disk file.
 - Allocate the desired **storage size** (e.g., 20 GB).
 - Click **Create**.

9. The virtual hard disk is now created and attached to your virtual machine.
10. You can further manage the hard disk settings (like resizing, attaching additional drives, etc.) from the **Settings > Storage** section of the VM.

OUTPUT:



RESULT:

Thus, a virtual hard disk was successfully created and allocated to a virtual machine using Oracle VirtualBox, with storage configured as required.