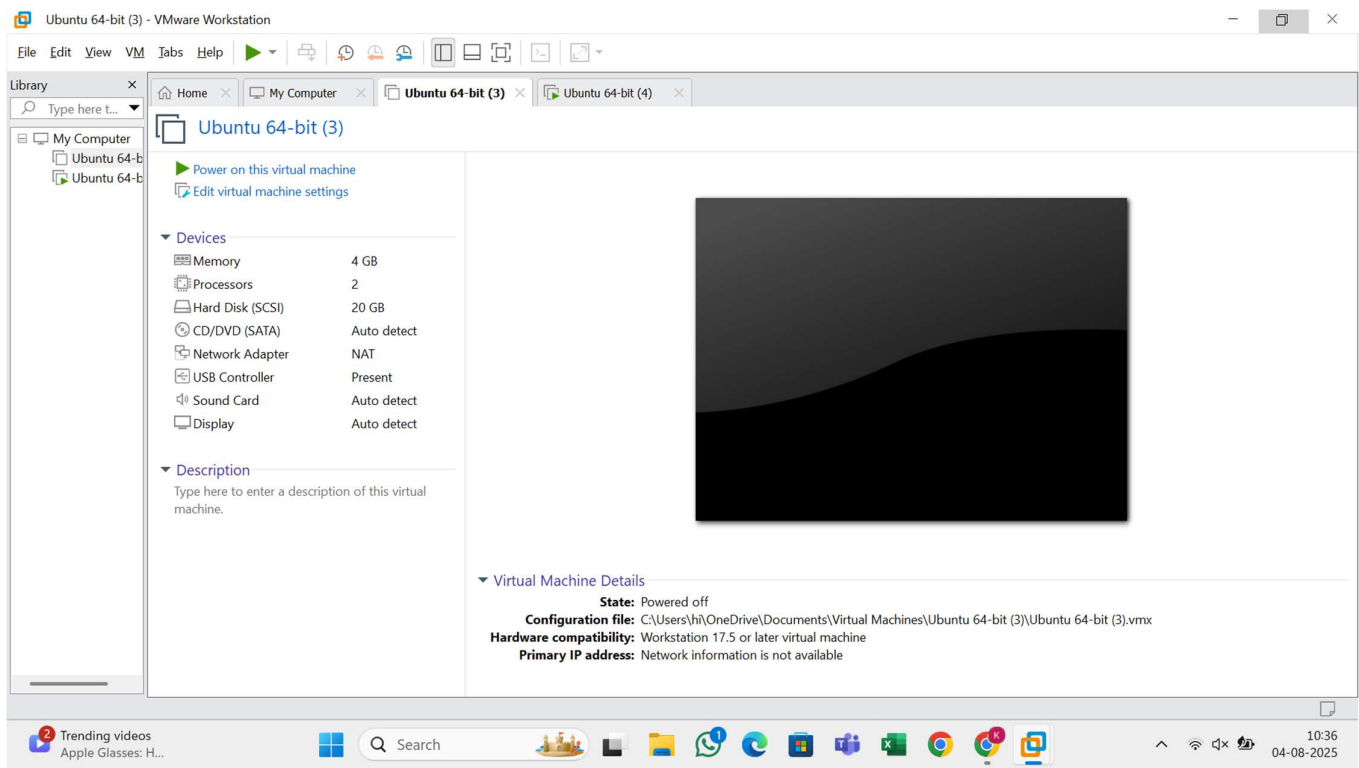# EXPERIMENT - 6

AIM:

To demonstrate virtualization by installing a Type-2 Hypervisor (VirtualBox) and creating/configuring a VM image with a host operating system (either Windows/Linux).

PROCEDURE:

1. Download and install Oracle VirtualBox from https://www.virtualbox.org.

2. Download the ISO file of the guest OS (e.g., Ubuntu from https://ubuntu.com/download/desktop).

3. Open VirtualBox and click on 'New' to create a new virtual machine.

4. Set the VM name, type (Linux/Windows), and version based on the ISO file you downloaded.

5. Allocate at least 2048 MB of RAM to the virtual machine.

6. Create a virtual hard disk (VDI, dynamically allocated, at least 20 GB).

7. Go to Settings -> Storage, and mount the downloaded ISO file under 'Controller: IDE'.

8. Adjust other settings (CPU cores, video memory) as needed for better performance.

9. Start the VM and follow the OS installation process (language, username, password, etc.).

10. After installation, reboot the VM and unmount the ISO from the virtual drive.

11. Login to the VM and ensure it is fully functional with the installed OS.

RESULT:

Thus, the VirtualBox Type-2 Hypervisor was successfully installed, a virtual machine was created, configured, and the guest OS was installed and tested.