Experiment No - 2

#Installation to Linux Operating System-
(A)

Installation from Booting-

Step 1. Download a Linux distribution:

Choose a Linux distribution (e.g., Ubuntu, Fedora, Linux Mint) and download its ISO file.

Step 2. Create a bootable USB drive:

Use a tool like Rufus or Etcher to create a bootable USB drive from the ISO file.

Step 3. Boot from the USB drive:

Insert the USB drive, restart your computer, and enter the BIOS settings (usually by pressing F2, F12, or Del). Set the USB drive as the first boot device.

Step 4. Select the USB drive as the boot device:

Save the changes and exit the BIOS settings. Your computer should now boot from the USB drive.

Step 5. Choose the installation option:

You'll see a menu with options like "Try Linux" or "Install Linux." Choose the installation option.

Step 6. Follow the installation wizard:

The installation wizard will guide you through the process, asking for language, keyboard layout, timezone, and other settings.

Step 7. Partition your hard drive:

 You'll need to partition your hard drive to create space for Linux. You can choose to replace your existing OS or dual-boot.

Step 8. Install Linux:

The installer will copy files, install the OS, and configure your system.

Step 9. Set up your user account:

 Create a user account, set a password, and choose other settings.

Step 10. Reboot and enjoy Linux:

Once the installation is complete, reboot your computer, and you'll be running Linux.

(B)

From Virtual Box -

Step 1. Download the Linux OS ISO file from a reputable source.

Step 2. Open VirtualBox and click "New" to create a new virtual machine.

Step 3. Name your virtual machine and select the type (Linux) and version.

Step 4. Allocate RAM and CPU resources to the virtual machine.

Step 5. Create a virtual hard disk (VDI) and set its size.

Step 6. Click "Settings" and go to the "Storage" tab.

Step 7. Under "Controller: IDE," click the empty CD/DVD drive and select the Linux OS ISO file.

Step 8. Click "OK" and start the virtual machine.

Step 9. The Linux OS installation process will begin. Follow the on-screen instructions to complete the installation.

Step 10. Once installed, remove the ISO file from the virtual CD/DVD drive and restart the virtual machine.