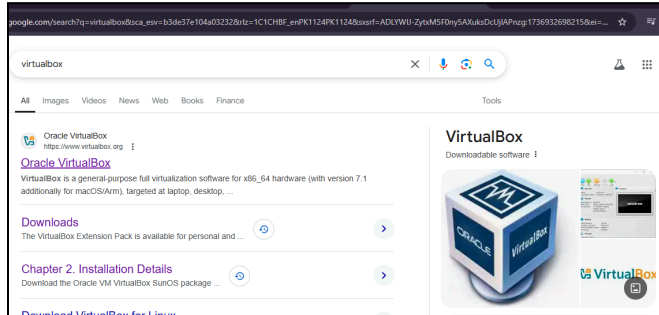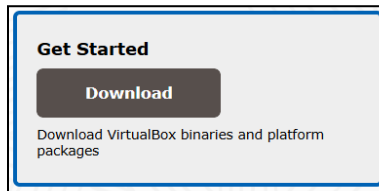## OS LAB 1 - *Setting up the Ubuntu Virtual Machine Using Oracle Virtual Box*

Step 1: Download and Install VirtualBox
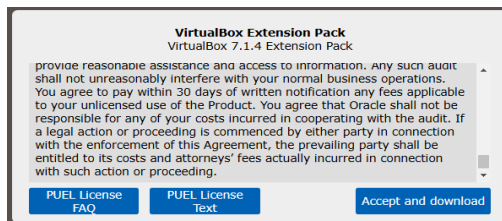
1. Search for "**Virtualbox download**" on your Web Browser and click on *https://www.virtualbox.org/.*
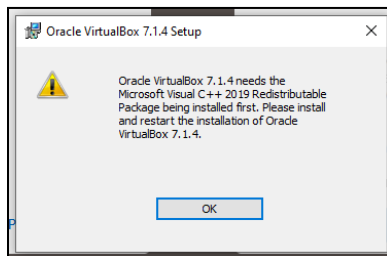

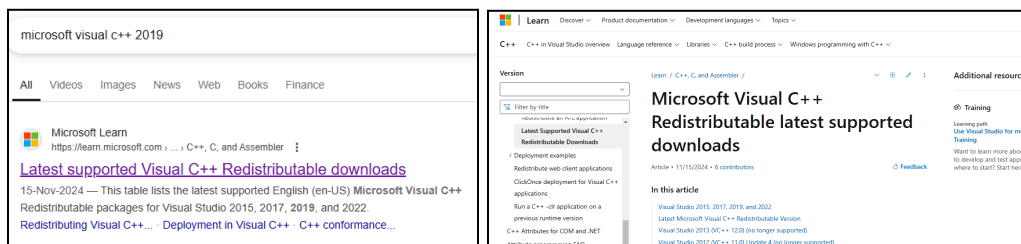2. Click on the **Download** Button.

3. Click on the appropriate version of your OS.(Windows, Linux, MacOs).On the same page click on **Accept and Download** to download VirtualBox Extension Pack.

4. Click on the VirtualBox .exe file to install VirtualBox. You May encounter the following error message if Microsoft Visual C++ 2019 Redistributable Package is not installed on your machine.
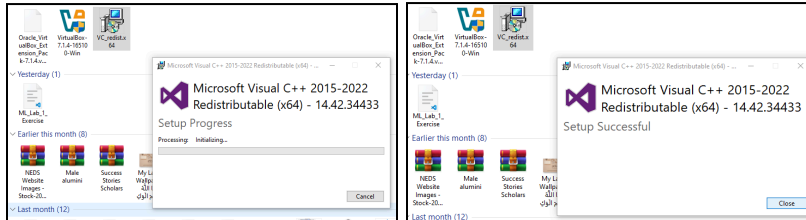

5. To download MS Visual. Search for "Microsoft Visual C++ 2019". Go to the first link and click on **Latest Microsoft Visual C++ Distributable Version**.

6. Click the **x64** option.

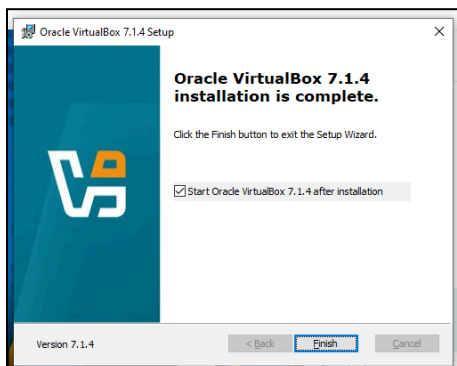| Architecture	Link	Notes
ARM64	https://aka.ms/vs/17/release/vc_redist.arm64.exe ⬈	Permalink for latest supported ARM64 version
X86	https://aka.ms/vs/17/release/vc_redist.x86.exe ⬈	Permalink for latest supported x86 version
X64	https://aka.ms/vs/17/release/vc_redist.x64.exe ⬈	Permalink for latest supported x64 version. The X64 Redistributable package contains both ARM64 and X64 binaries. This package makes it easy to install required Visual C++ ARM64 binaries when the X64 Redistributable is installed on an ARM64 device.

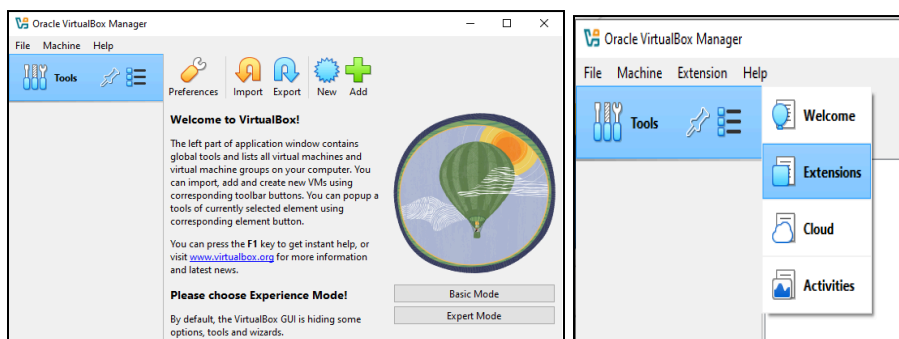7. As MS Visual gets downloaded again click on VirtualBox .exe file.

8. Press Next < Next < Next …. By keeping all the defaults as it is.
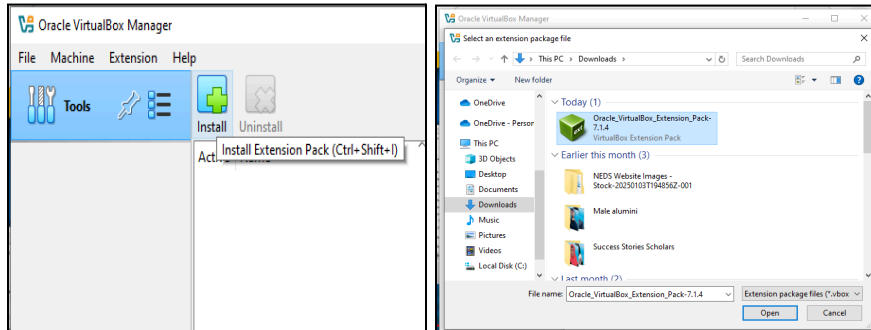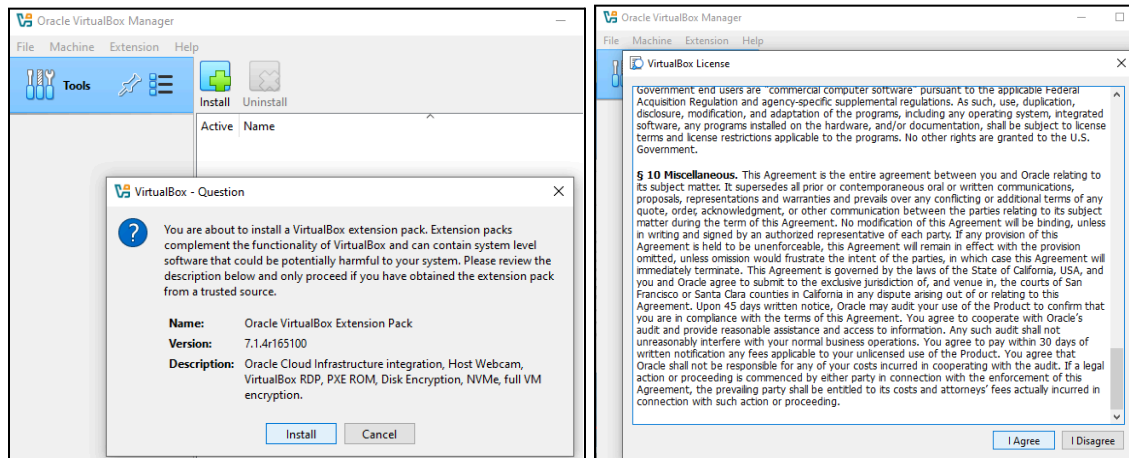

9. Click on Finish.

10. On the Oracle VirtualBox Manager Screen, click on the Menu button on the left side and select Extensions.

11. Click on **Install Extension Pack**. Choose the extension pack we have downloaded earlier and click on Open.
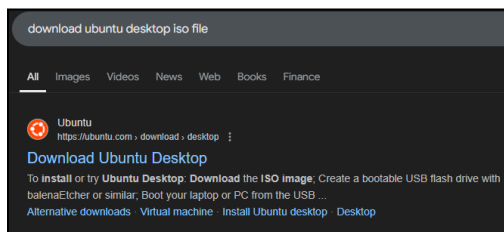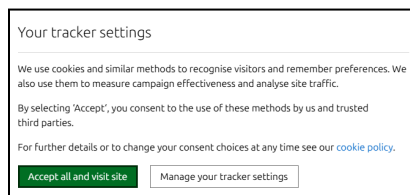
12. Click on **Install < I Agree**.
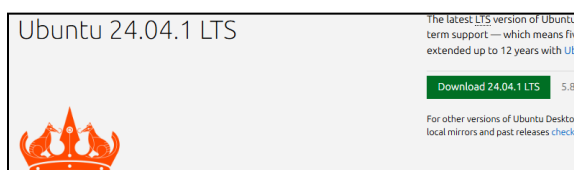
Step 2: Download Ubuntu ISO

1. Search Ubuntu desktop iso file download. Click on the first link.

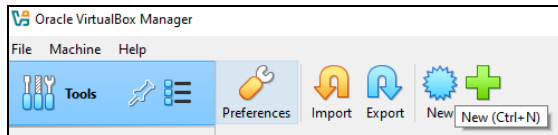2. Click on "Accept all and visit site".
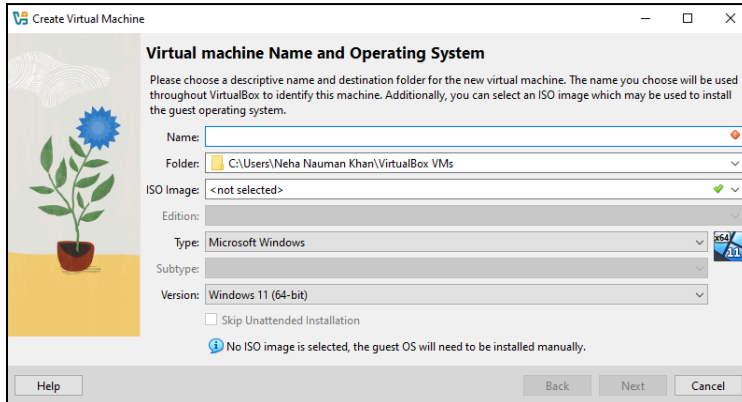
3. Click on Download.

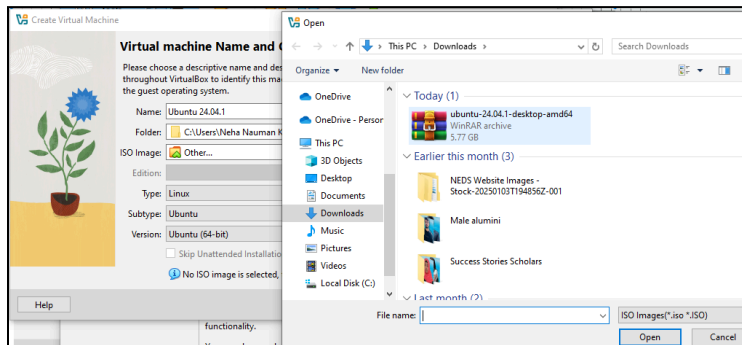## Step 3: Create a new Virtual Machine
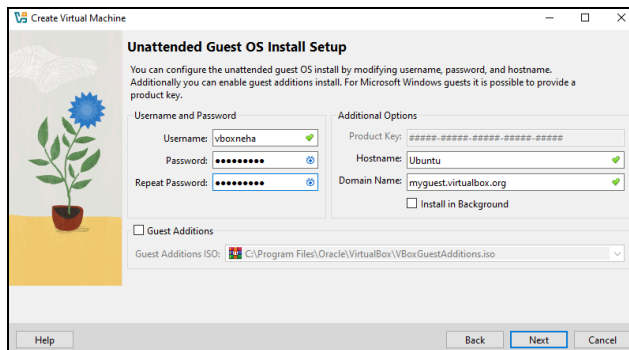
1. Click on New.

2. Type Ubuntu.

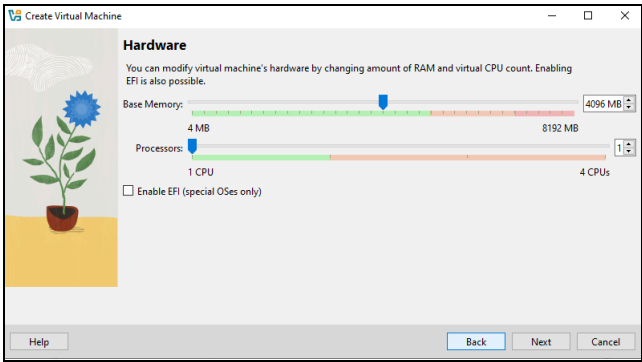3. Select ISO image and click on open.

4. Click on the Next button.
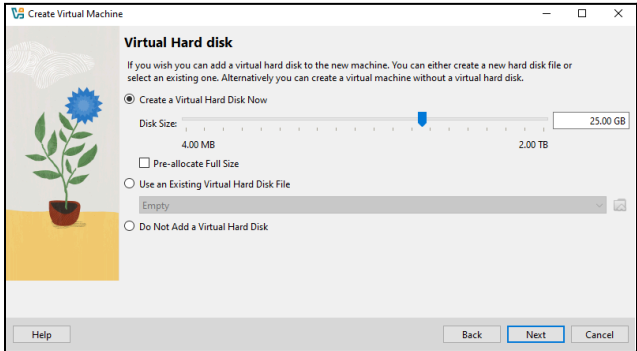5. Set the credentials.

Step 4: Configure Memory

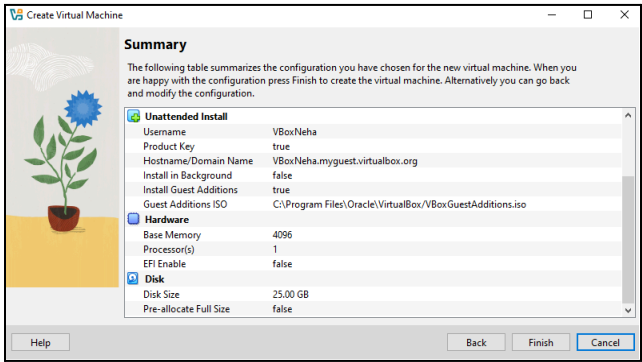1. Make Base Memory to 4GB i.e. 4096MB. Click on Next.

Step 5: Create a new Virtual Hard Disk

1. Select **Create a Virtual Hard Disk Now** option.

2. Click on Finish.

3. The Ubuntu Virtual Machine has been created.