EXNO :1 & 2 INSTALL A C COMPILER IN THE VIRTUAL MACHINE

CREATED USING VIRTUAL BOX AND EXECUTE SIMPLE PROGRAMS

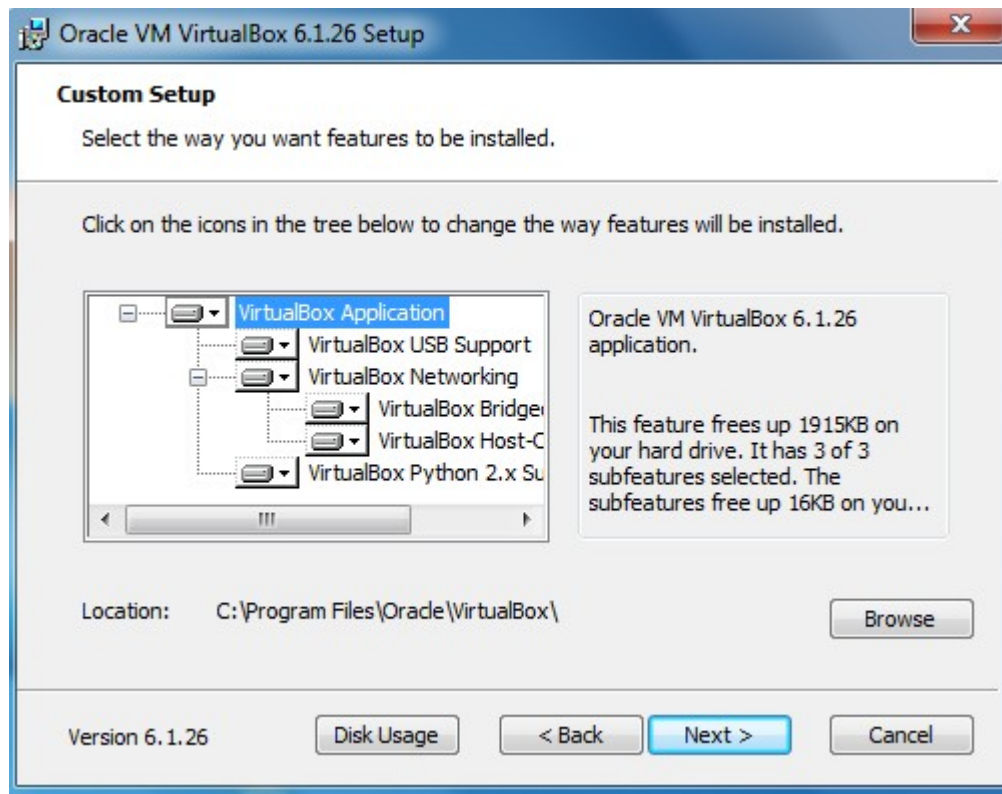**AIM:**

   To install a C compiler in the virtual machine created using virtual box and execute simple programs
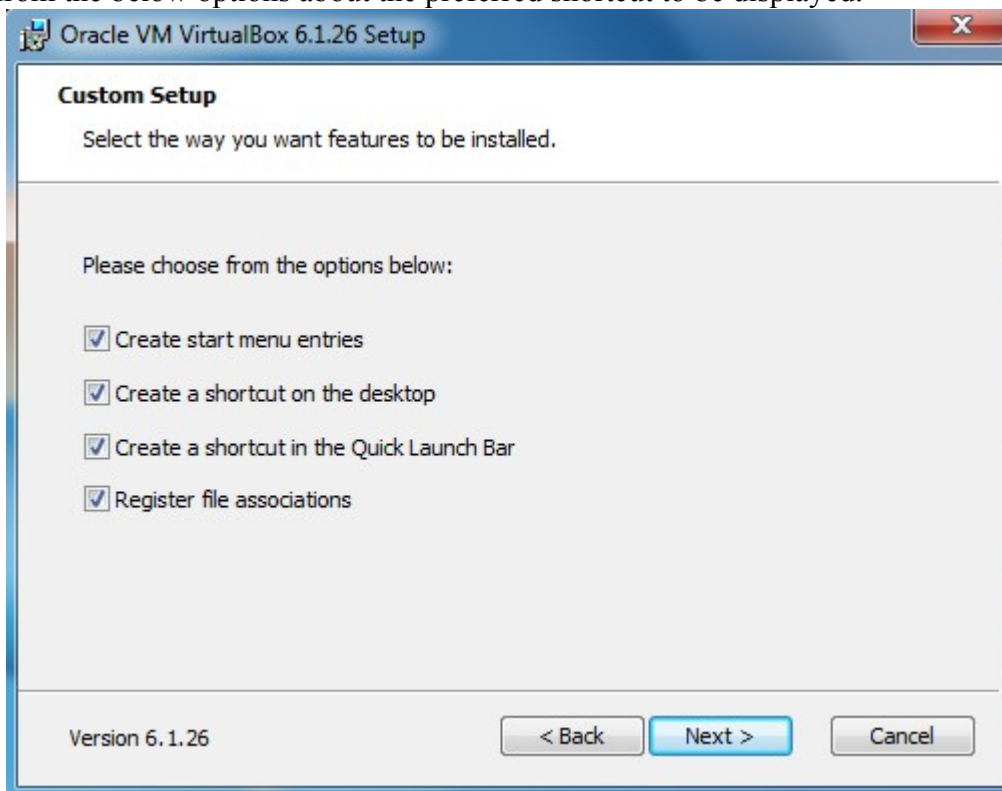
STEPS:
.
1. Download the installer file. It should probably be in the download folder by default, if you have not changed the settings in your browser. Download Virtual Box platform packages for your OS. Open the installation Package by double clicking
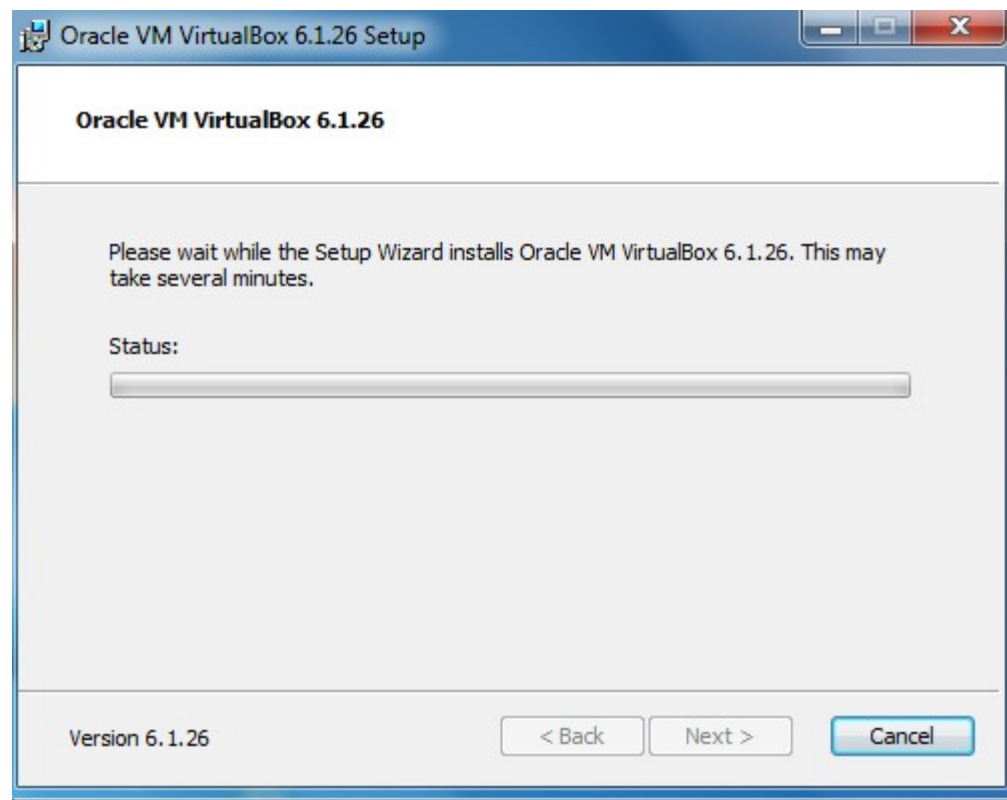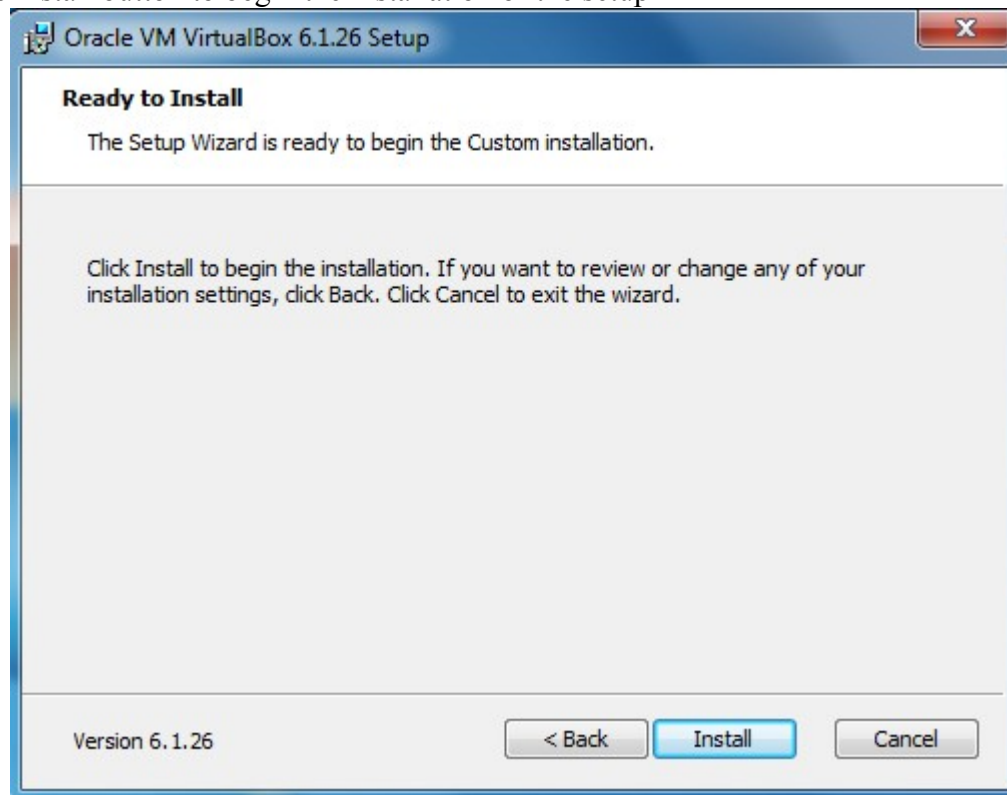
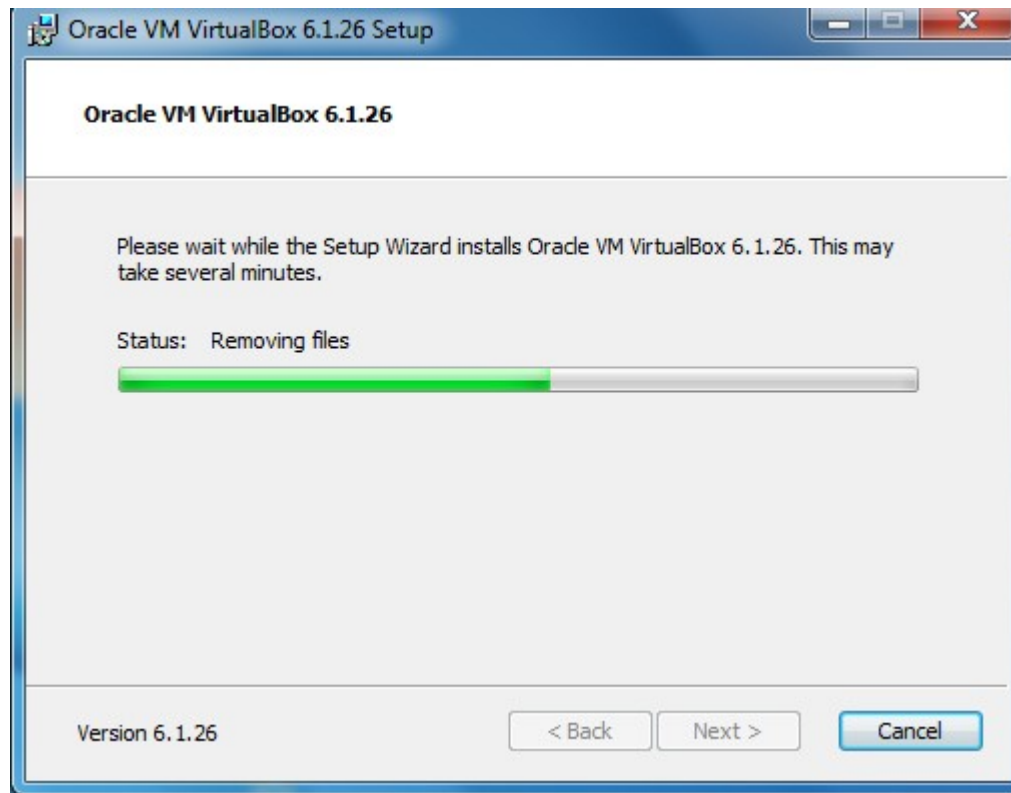2. Choose the setup Type and also the features to be installed.

3. Choose from the below options about the preferred shortcut to be displayed.

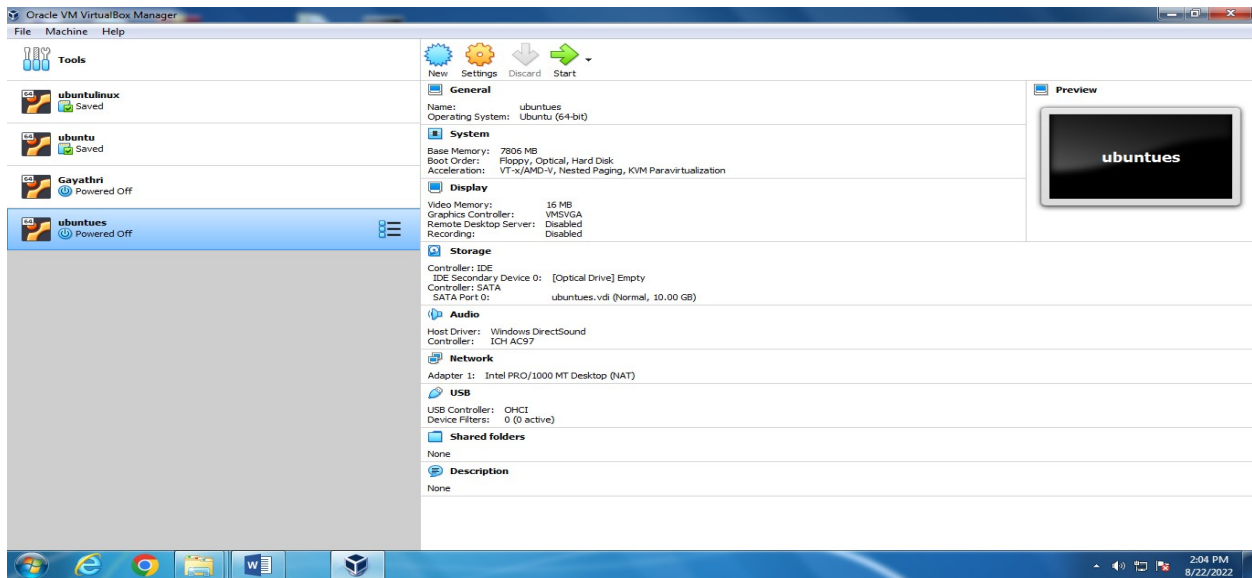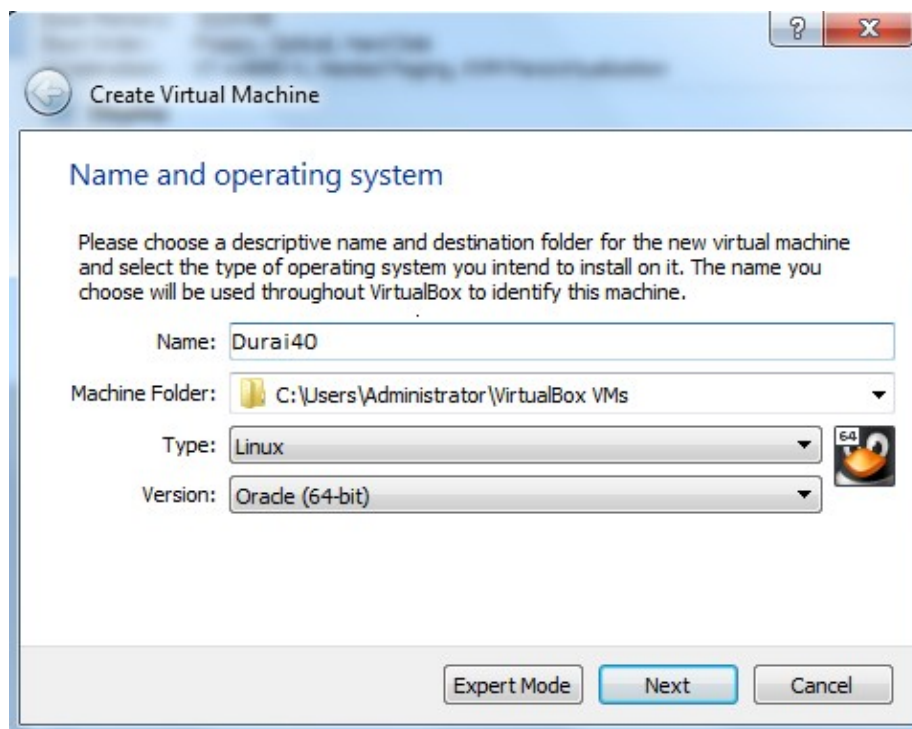4. Click the install button to begin the installation of the setup

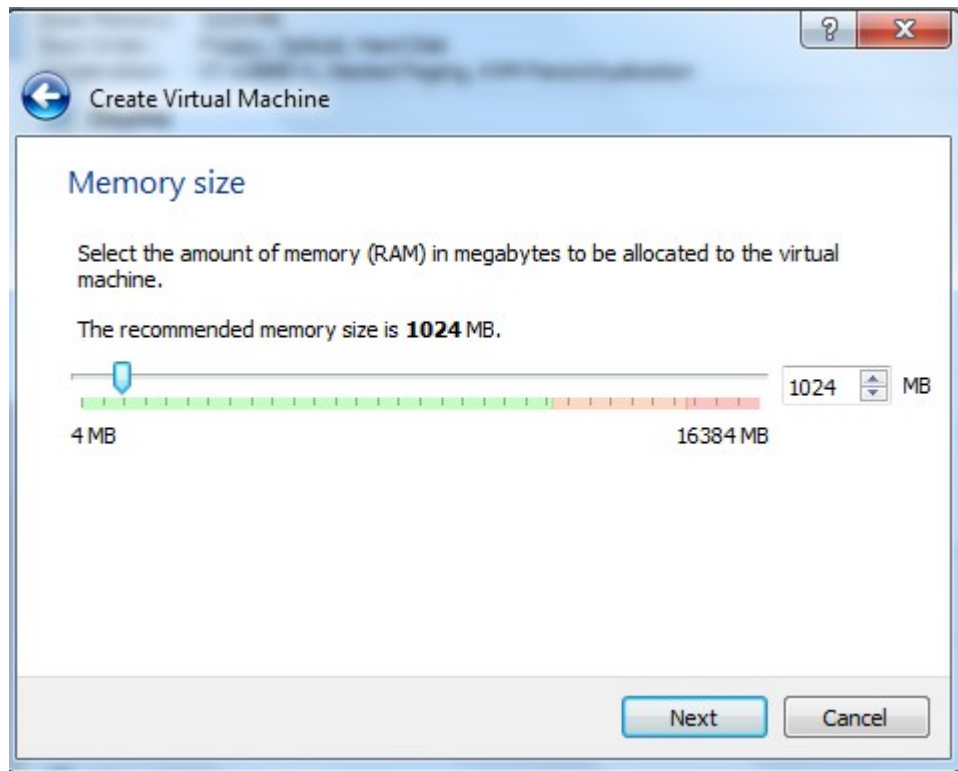5. Click finish to complete the installation.

6. Launch Virtual Box. After the installation completes, you should see the Oracle VMVirtualBox Manager icon on the desktop. Double click on it to launch the application.

7. Run VirtualBox by double-clicking the icon .Click "New" button on the top left corner.
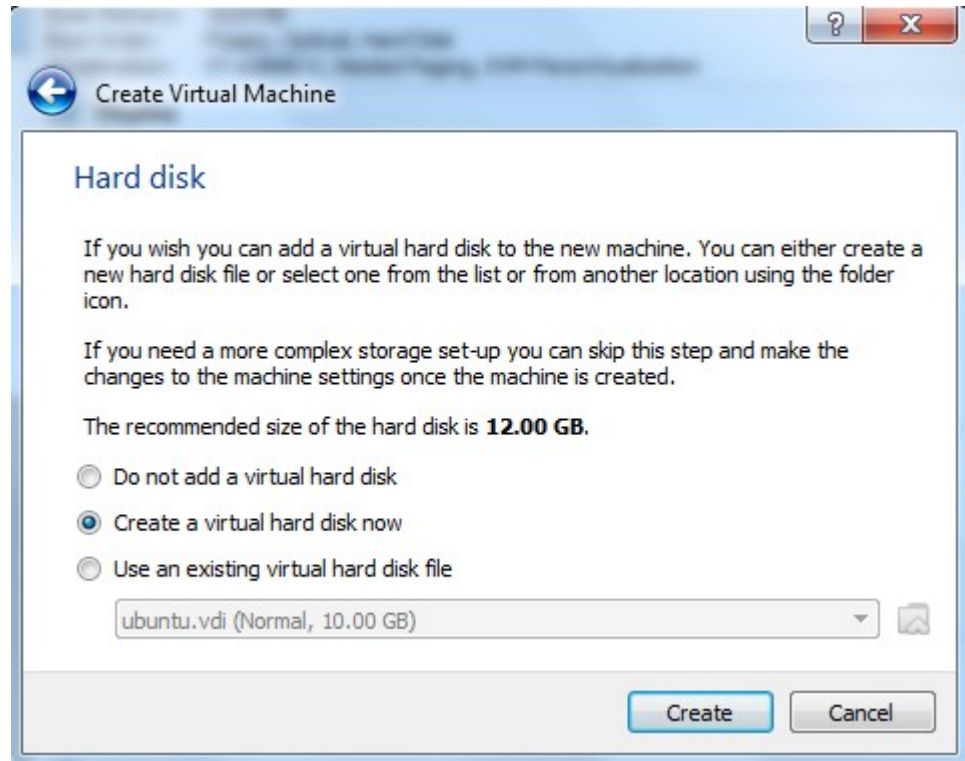

8. Click "Continue" on the pop-up window .Type VM name, select "Linux" for the OS and choose "Ubuntu" for the version.
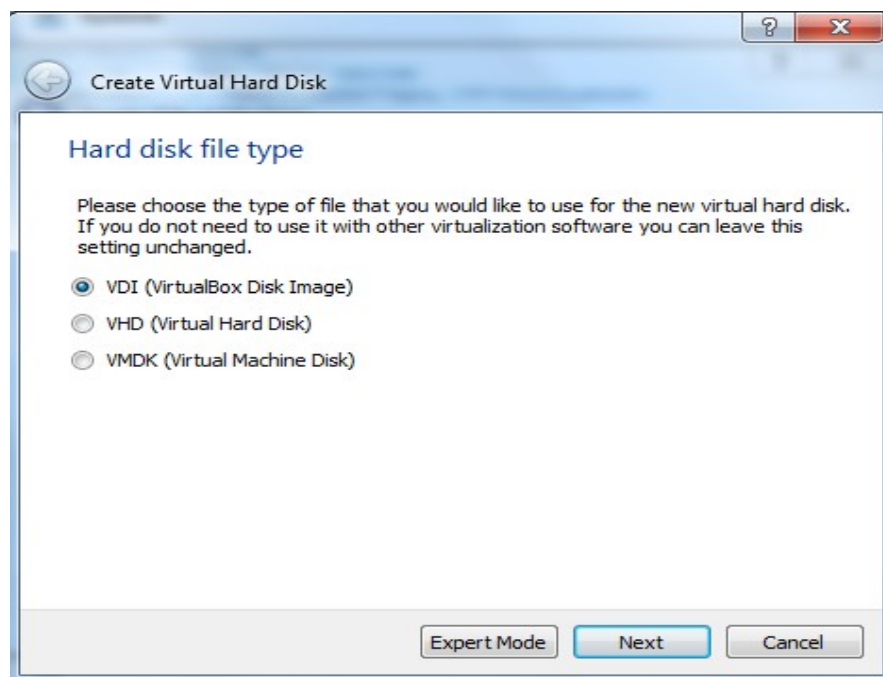
9. Choose the amount of memory to allocate. Click Continue or Next

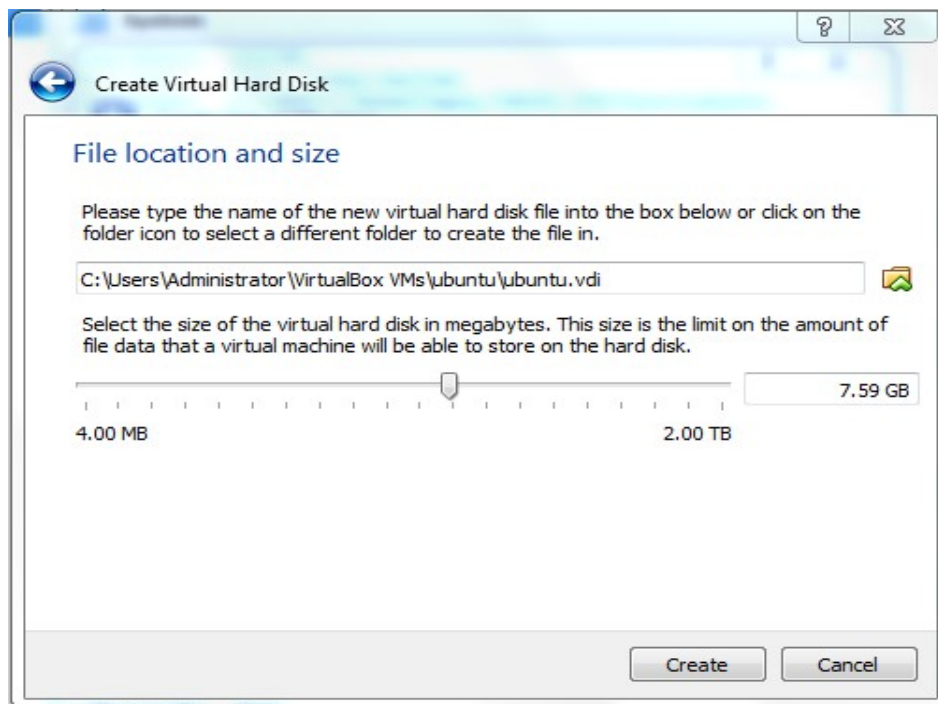10. Choose create a new virtual hard disk 8. Click Continue or Next

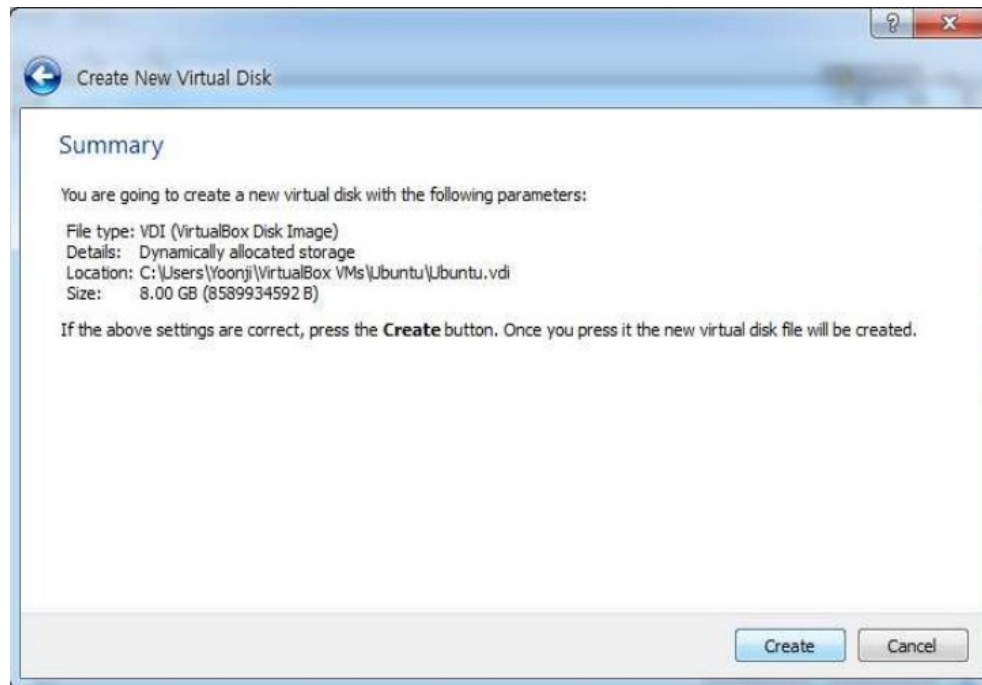11. Choose VDI (VirtualBox Disk Image) .Click Continue or Next

12. Choose "Dynamically Allocated" click continue. This way, the size of your Virtual Hard Disk will grow as you use
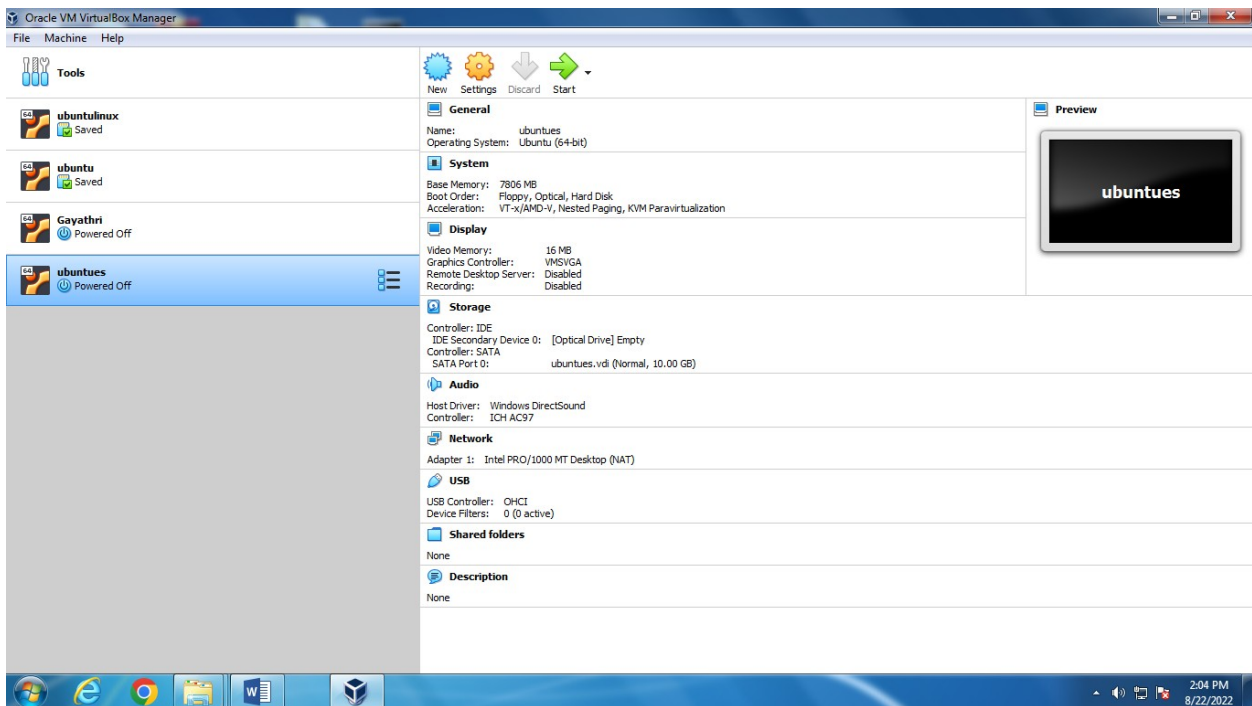
13. Click the folder icon and choose the ubuntu iso file you downloaded. Select the size of the Virtual Disk and click continue
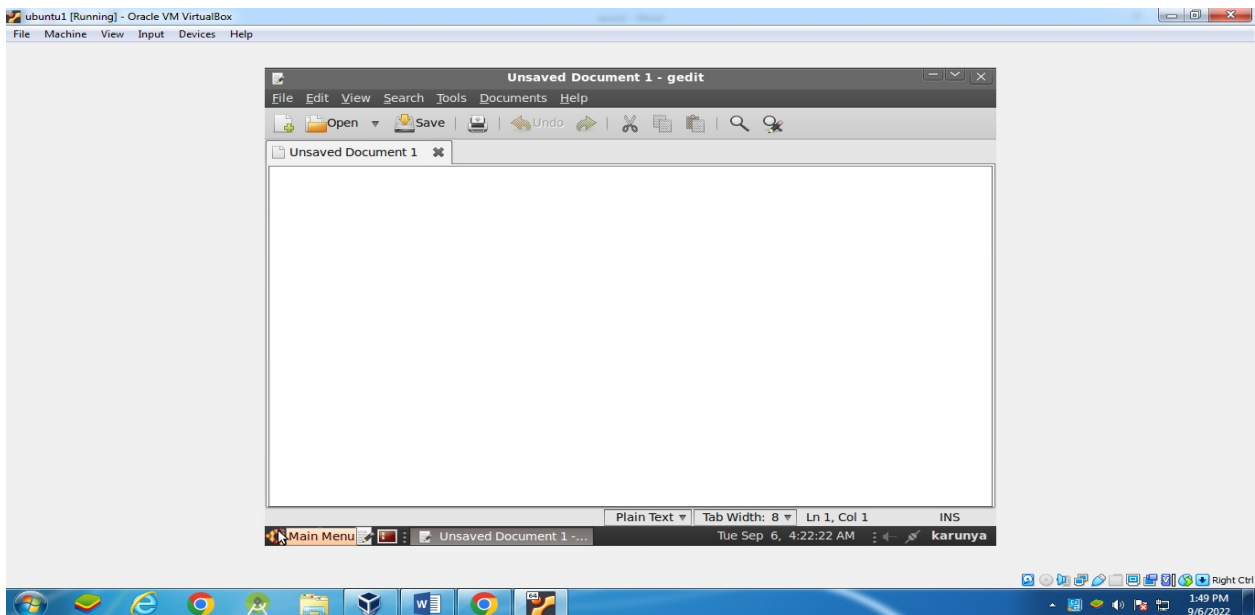
14. Click Create

15. Choose Ubuntu from left column and click Start

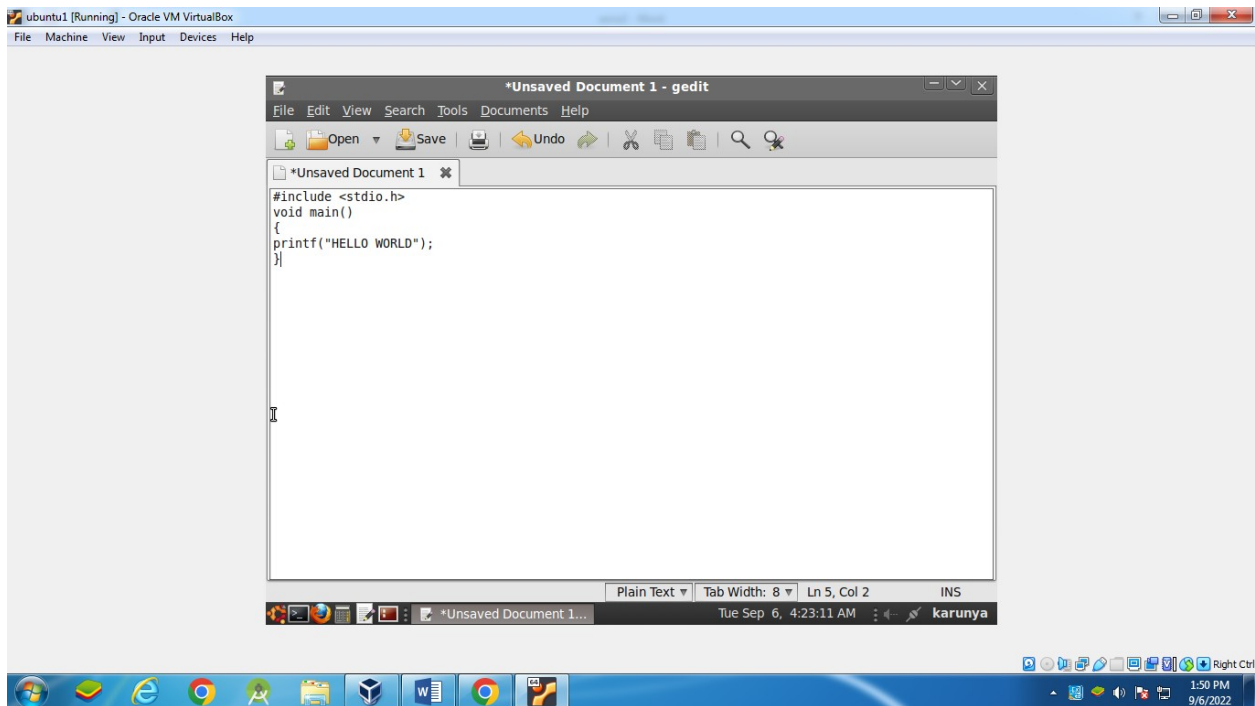16. Open Terminal (Applications-Accessories-Terminal)

17. Open gedit by typing "gedit &" on terminal (You can also use any other Text Editor application)
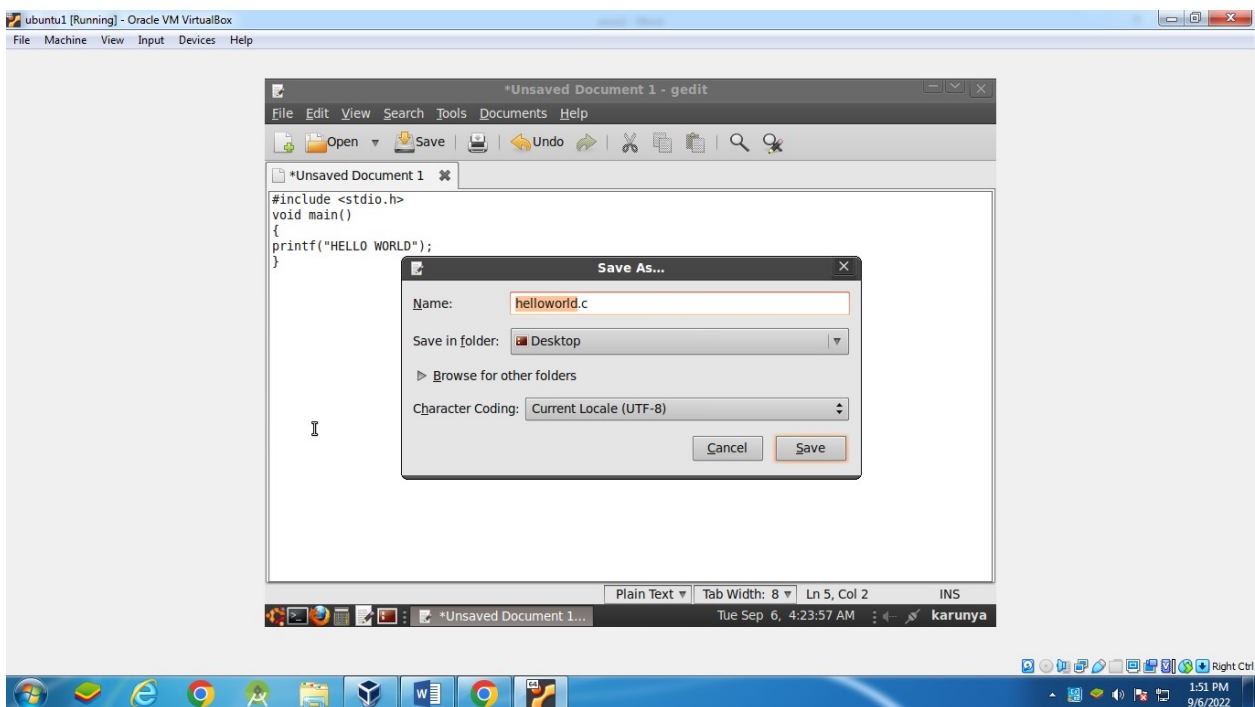

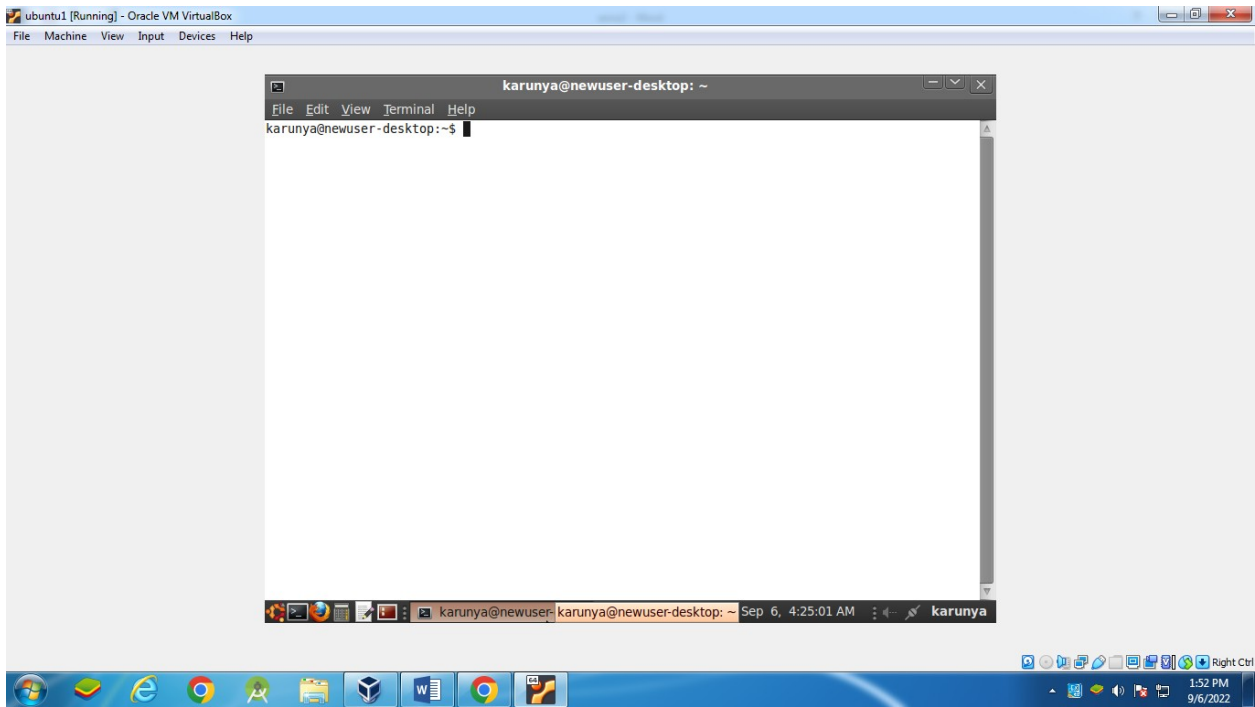18. Type the following on gedit (or any other text editor)
    #include <stdio.h>
    main()
    {
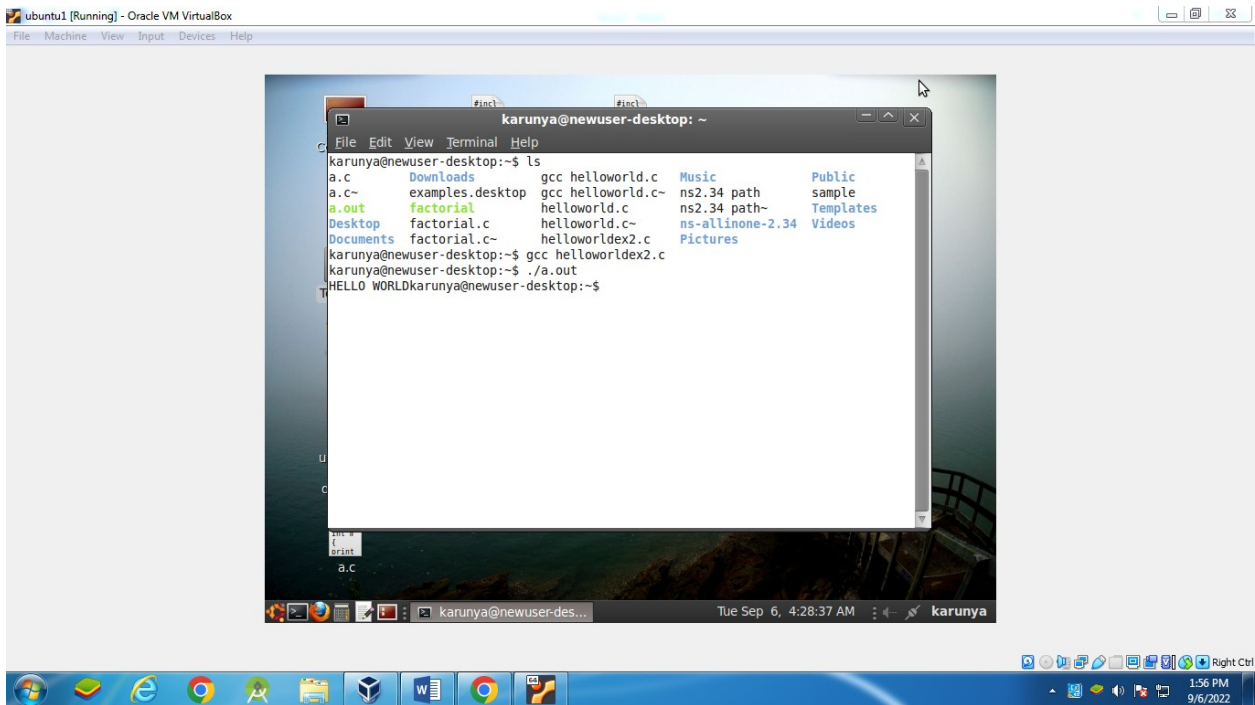   printf("Hello World\n");

}

19. Save this file as "helloworld.c"

20. Type "ls" on terminal to see all files under current folder. Confirm that "helloworld.c" is in the current directory. If not, type cd DIRECTORY_PATH to go to the directory that has "helloworld.c" C Programming on Linux . Type "gcc helloworld.c" to compile, and type "ls" to confirm that a new executable file "a.out" is created

Observation(20)	
Record(5)	
Total(25)	
Initial	

RESULT:

Thus, a C compiler in the virtual machine created using virtual box is installed and simple programs are executed successfully.