Experiment 1.2

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Subject Name: Cloud Computing & Distributed Systems **Semester: 6**

1. Aim:

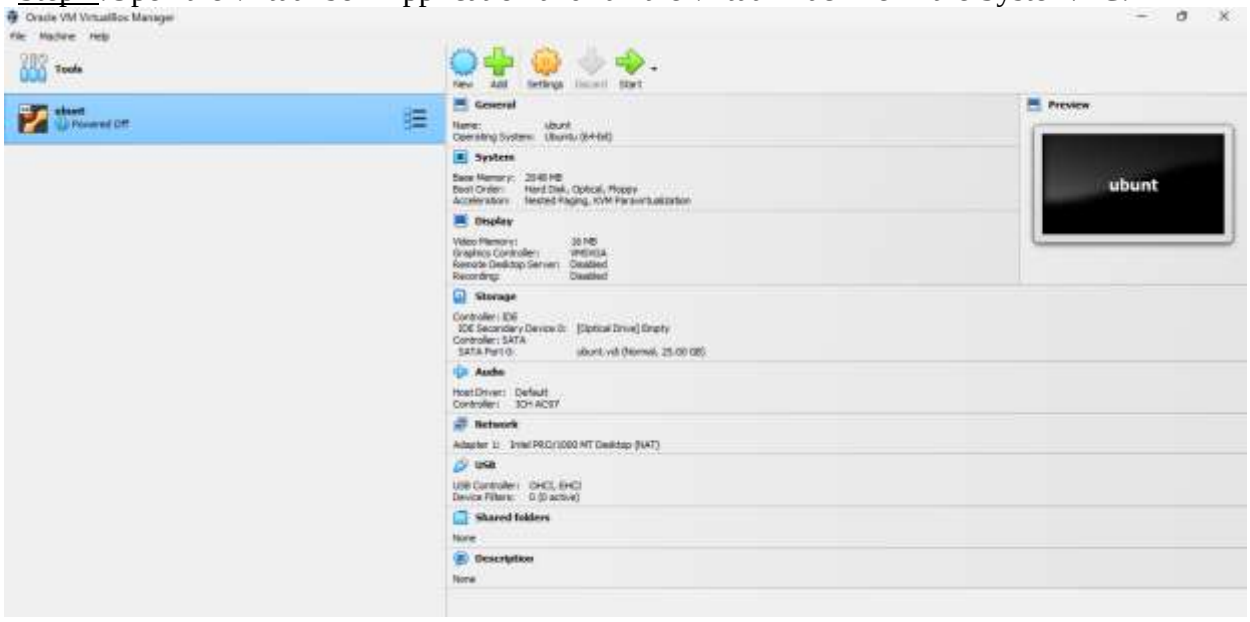
To Install a C compiler within the virtual machine established using the virtual machine established using virtual box and run basic programs.

2. Objective:

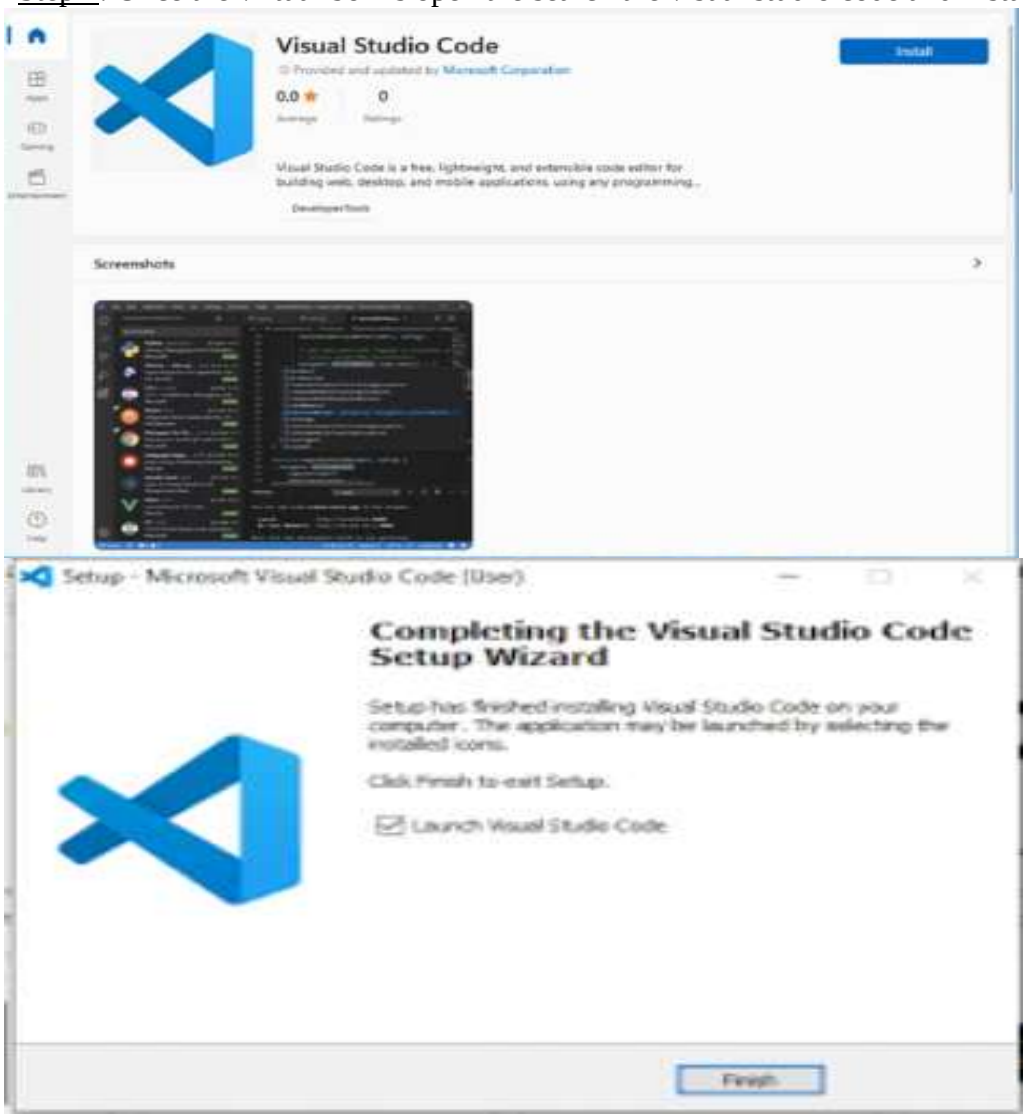
To Install C compiler within the virtual machine.

3. Steps to Install:

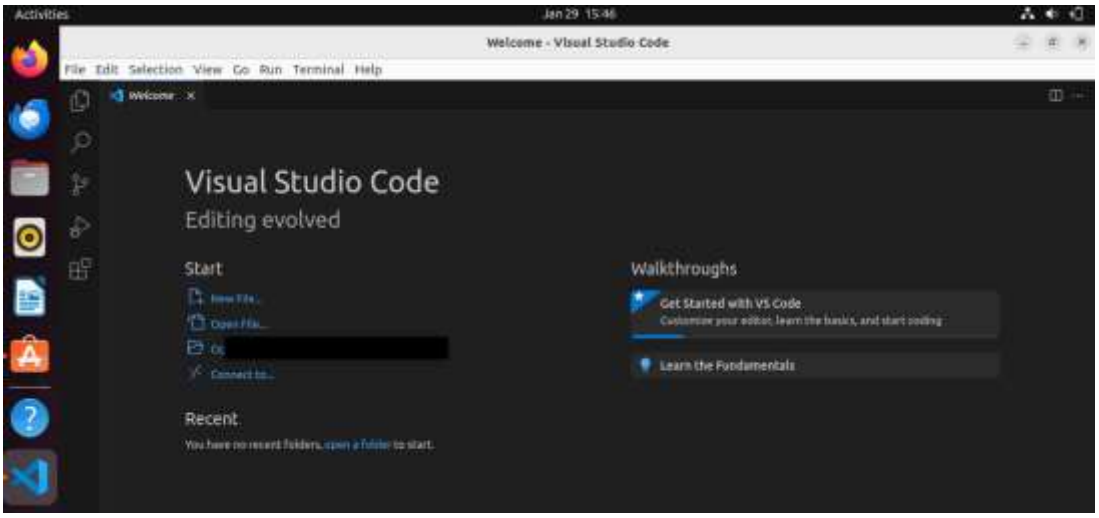
Step 1:Open the virtual box Application and run the virtual machine in the System/PC.

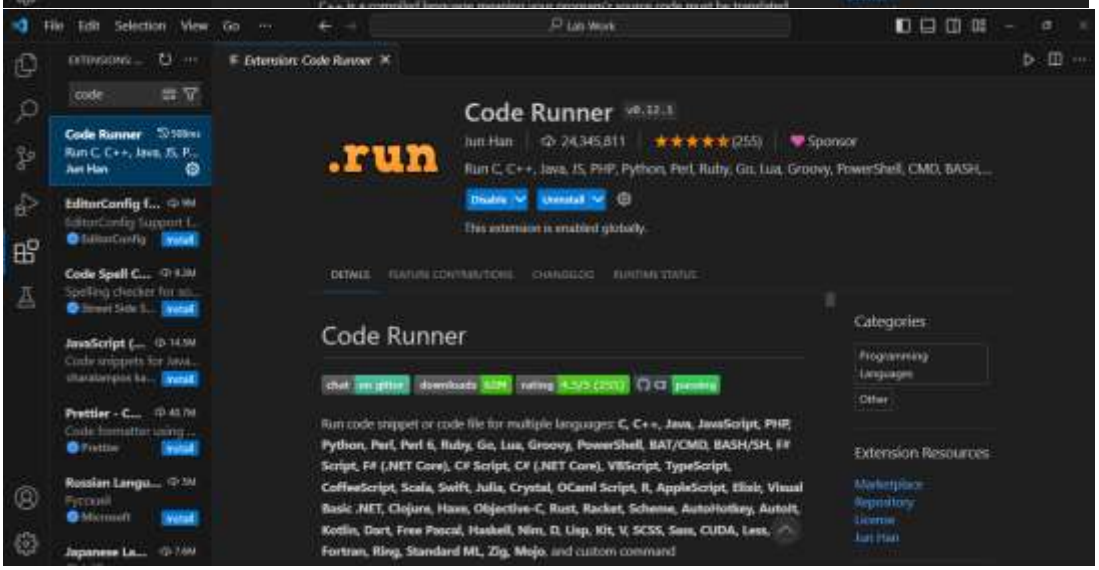


Step 2: Once the virtual box is open the search the visual studio code and install it

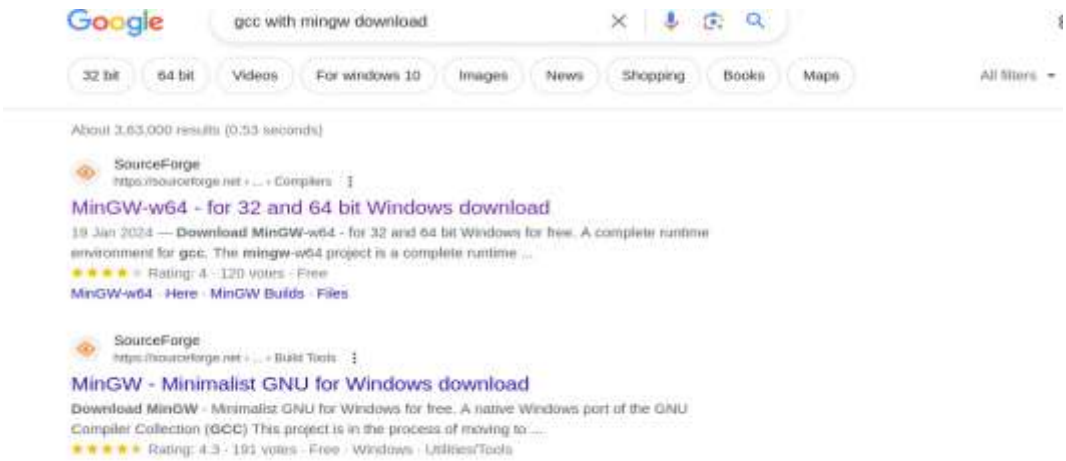


Step 3: Open the Visual Studio code in virtual box and download the extension for the visual studio code of c/c++ and code runner.



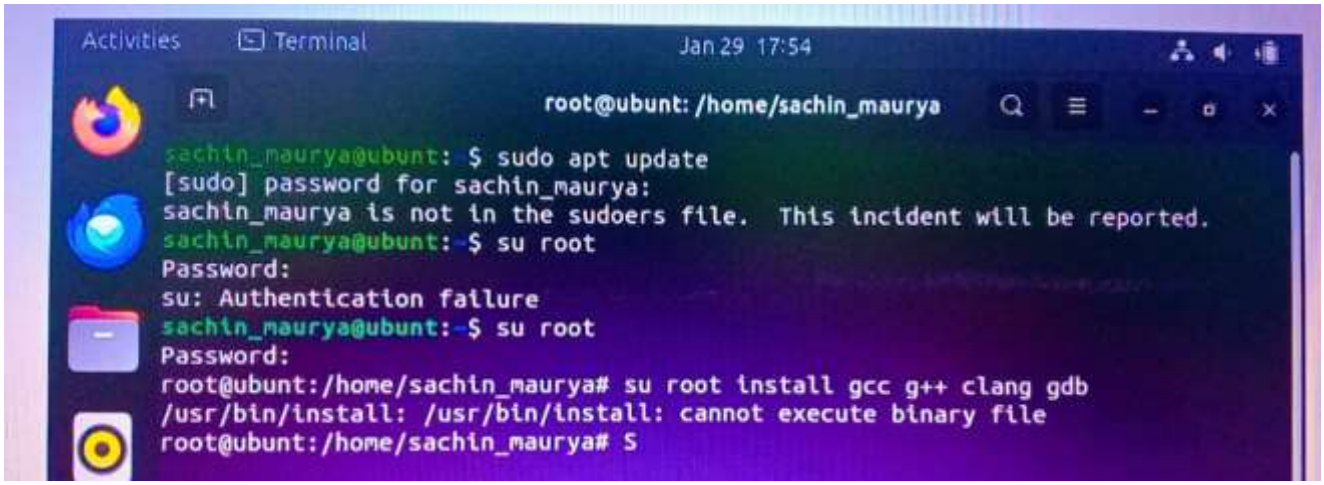


Step 4: Download the gcc-MinGW code in the OS(virtual machine-ubuntu) for the compiling the code in visual studio.

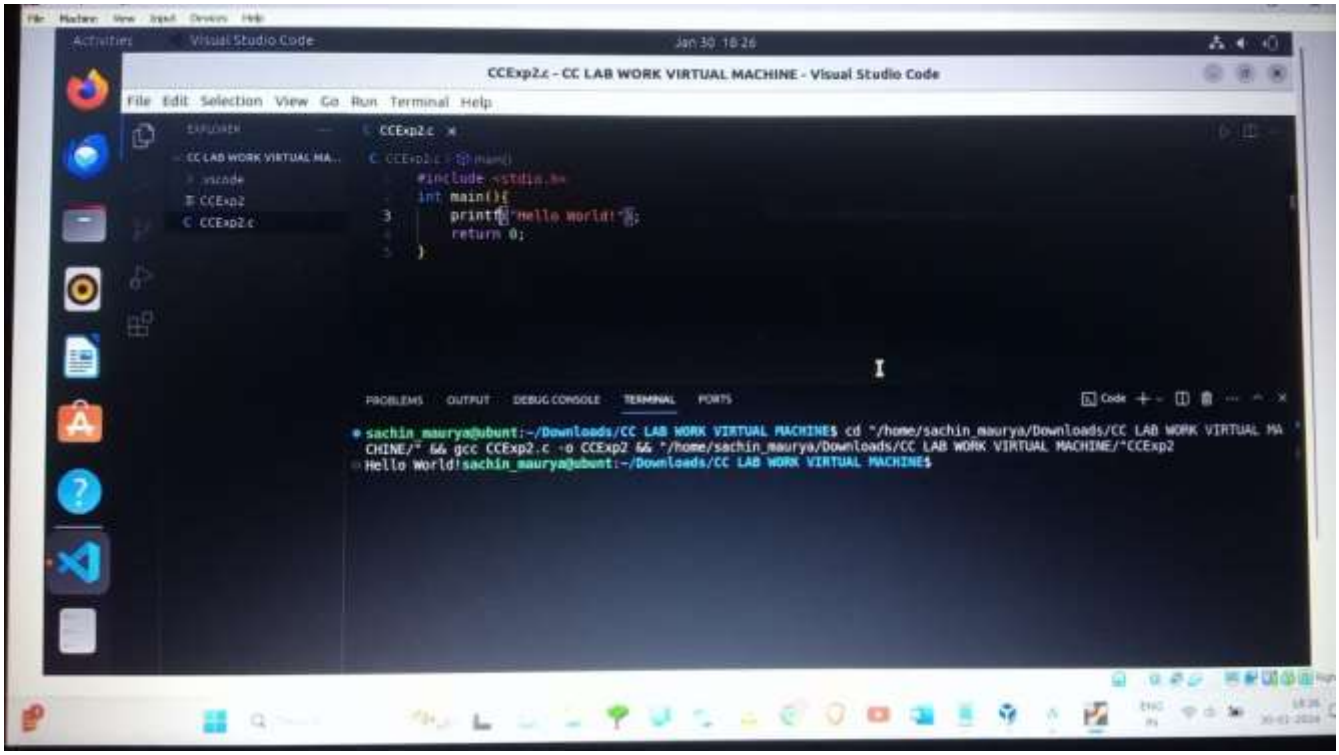


Step 5: Setup the gcc-minGW bin file path in the system variables environment or another option is download the gcc in the terminal/command prompt in the virtual machine and download the packages/library related to it.

Install the gcc in the Terminal in virtual Machine(Ubuntu):



Step 6: After the installation of mingw in the virtual machine open the visual studio code and write the first program to execute or check that the C compiler is installed and execute successfully.



Learning Outcome:

- Learn how to install the C compiler in the virtual machine.
- Learn how to run and installation process of the gcc compiler minGW in the virtual machines.
- Understand the concept of Virtualization.
- Understand how to create the first C program in virtual machines.
- Learned to manage and allocate the system resources like RAM, CPU and Disk Space for Virtual Machines.