

Experiment 1.2

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Subject Name: Cloud Computing and Distributed Systems

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1. Aim:

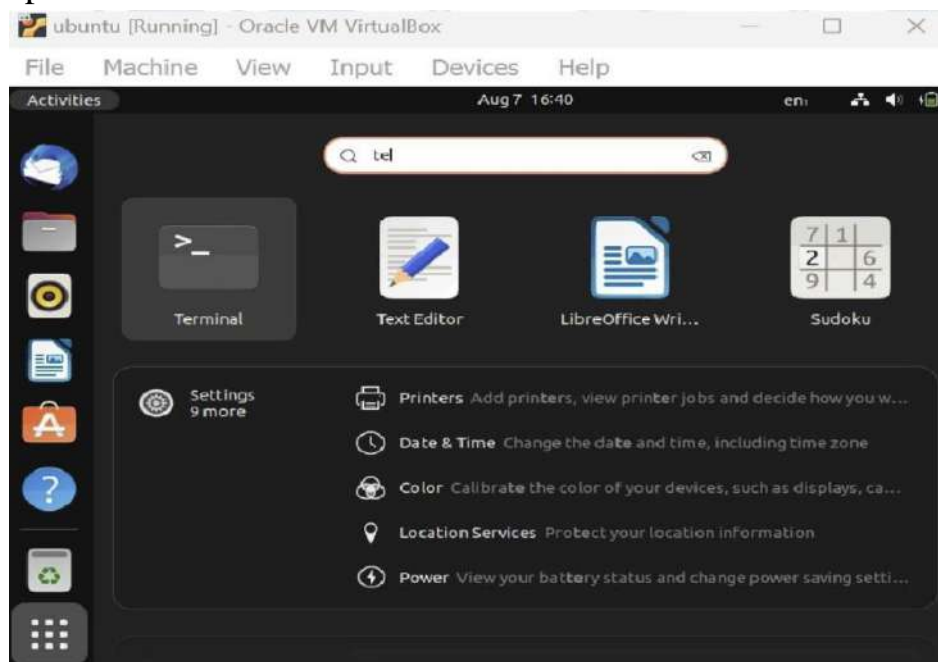
To Install a C compiler within the virtual machine established using the virtual machine established using virtual box and run basic programs.

2. Objective:

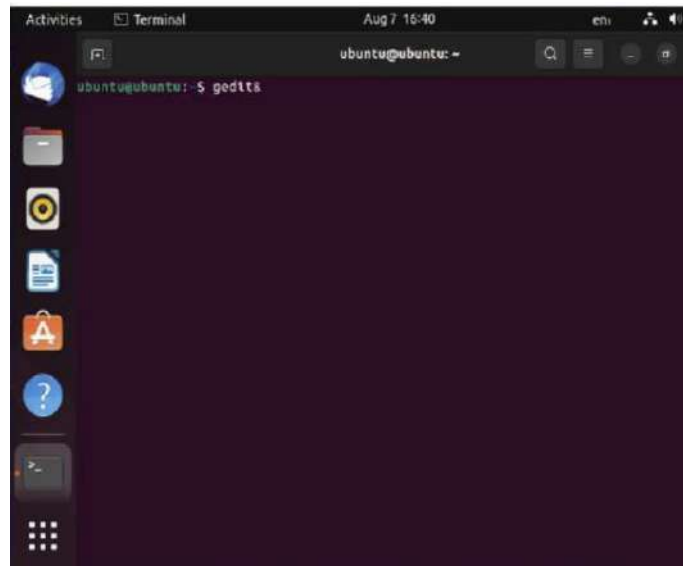
The objective of this experiment is to set up a virtual machine using VirtualBox, install a C compiler within the virtual environment, and successfully execute simple C programs to demonstrate a functional development environment.

3. Steps:

Step-1: Open the virtual machine.



Step-2: Navigate through Ubuntu and open the terminal.



Step-3: To install C compiler, enter the following commands:

\$ sudo apt install build-essential

\$ sudo apt install gcc

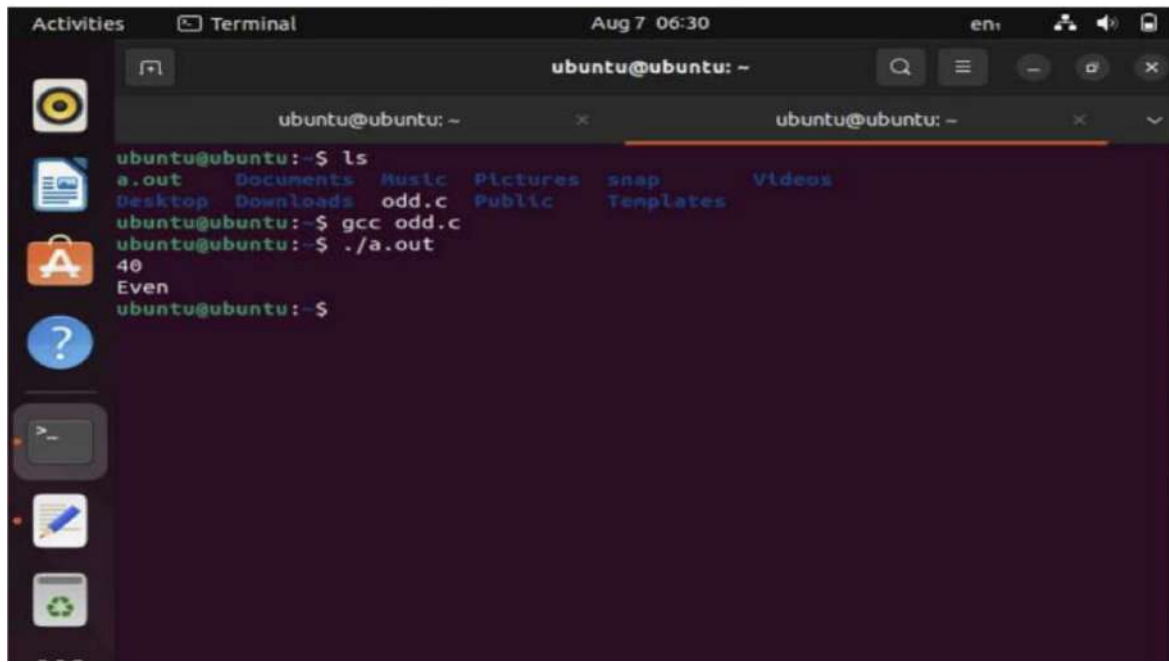
Step-4: Open file using the command “gedit odd.c” on the terminal.

Step-5: Type the following program on the gedit.



Step-7: Type “gcc odd.c” on the terminal to compile the file.

Step-8: Type “./a.out” on terminal to run the program.



```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ ls  
a.out  Desktop  Downloads  Music  Pictures  snap  Videos  
ubuntu@ubuntu:~$ gcc odd.c  
ubuntu@ubuntu:~$ ./a.out  
40  
Even  
ubuntu@ubuntu:~$
```

4. Result:

Thus, to install a C compiler in the virtual machine created using virtual box and execute simple programs was successfully implemented and output was successfully obtained and verified.