Experiment - 1.2

Name: Rohan Jaiswal   **UID:** 21BCS2856

Branch: BE-CSE   **Section/Group:** KRG_CC_1 B

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Subject Name: Cloud Computing and Distributed Systems

Subject Code: 21CSP-378

1. Aim:

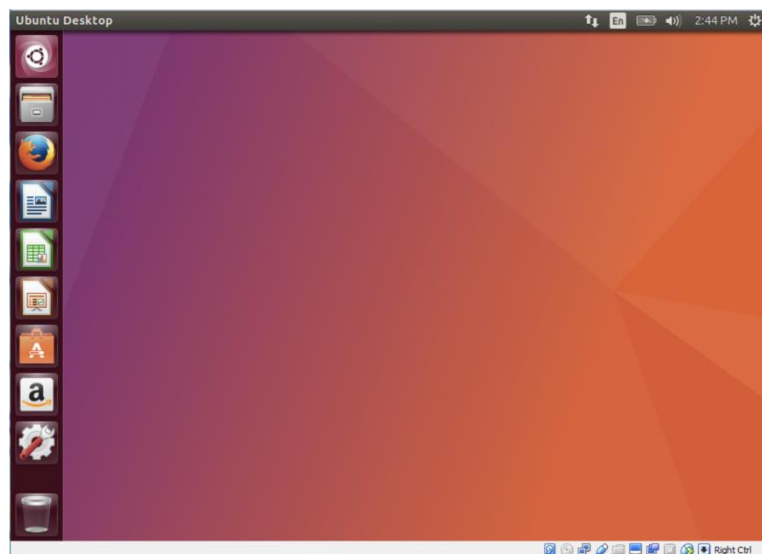To install a c compiler within the virtual machine established using virtualbox and run basic programs.

2. Objective:

To run C program in ubuntu virtual machines.
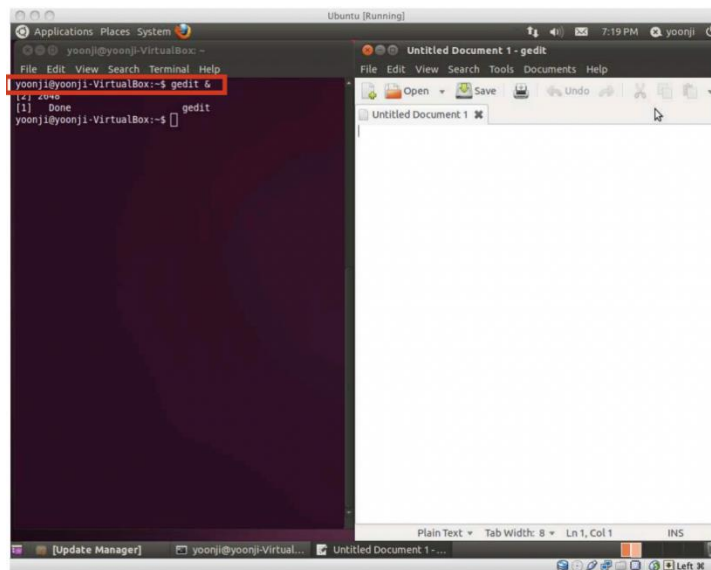
3. Steps to run:

Step 1: Download the virtual box

Step 2: Open ubuntu on virtual box

Step 3: Open Terminal (Applications-Accessories-Terminal)

Step 4: Open gedit by typing "gedit &" on terminal (You can also use any other Text Editor application)
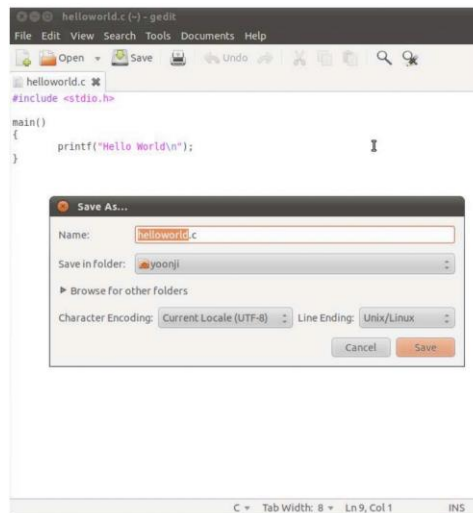

Step 5: Type the following on gedit(or any other text editor)

```c
#include<stdio.h>

main()
{
    printf("Hello World\n");
}
```
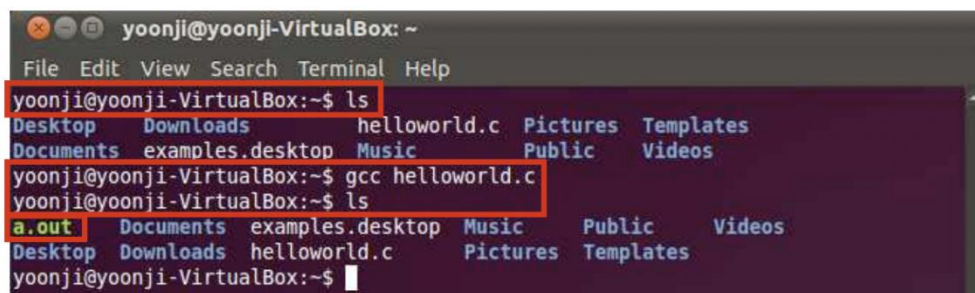
Step 6: Save this file as "helloworld.c"

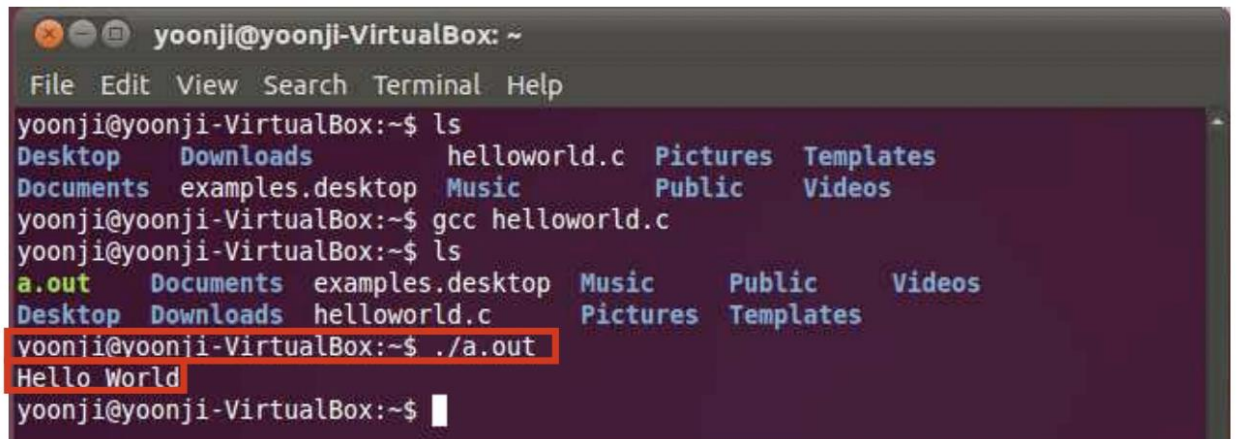Step 7: Type "ls" on Terminal to see all files under current folder

Step 8: Confirm that "helloworld.c" is in the current directory. If not, type cd DIRECTORY_PATH to go to the directory that has "helloworld.c"

Step 9: Type "gcc helloworld.c" to compile, and type "ls" to confirm that a new executable file "a.out" is created.

Step 10: Type "./a.out" on Terminal to run the programc

Step 11: If you see "Hello World" on the next line, you just successfully ran your first C program!

4. Learning Outcome:

- Learn how to install VirtualBox.

- Understand about ubuntu.

- Understand how to run c program on virtual machine.