

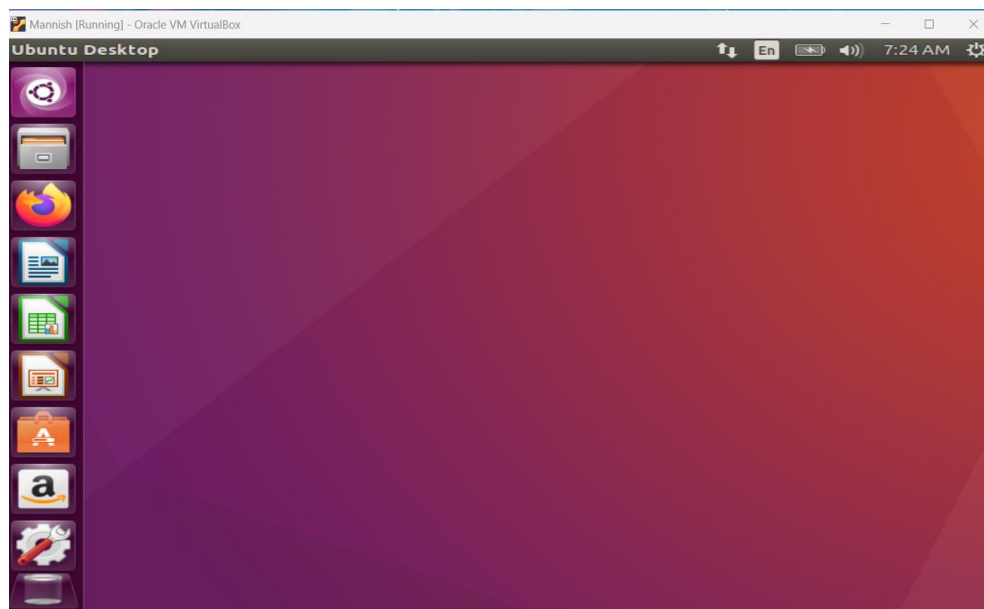
Experiment1.2

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Semester: 6th **Date of Performance:** 29-01-24
Subject Name: Cloud Computing **Subject Code:** 21CSP-378

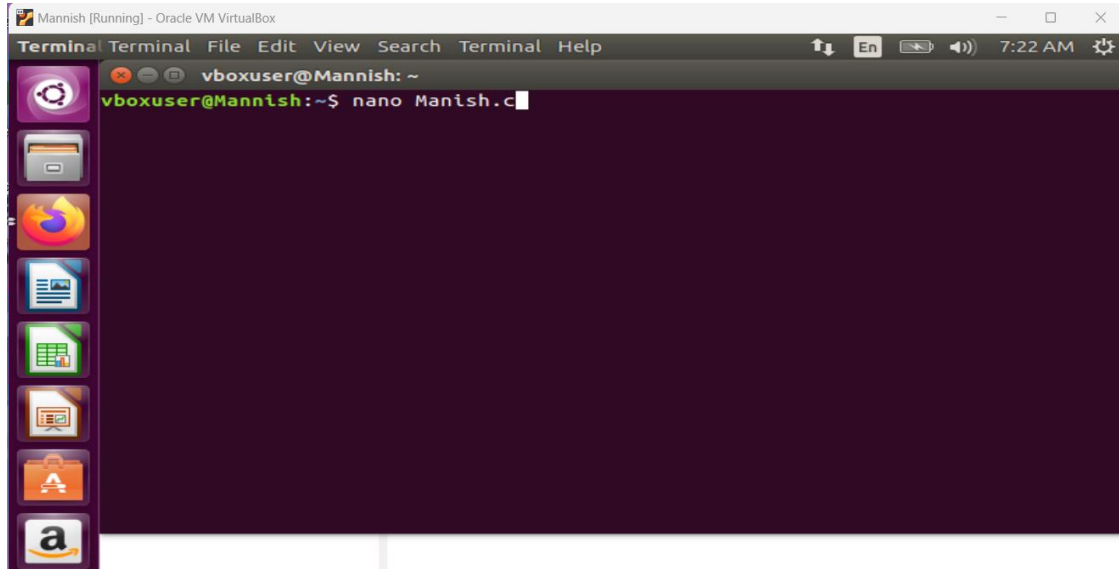
- 1. Aim:** To Install a C compiler within the virtual machine and run a simple program using C compiler.
- 2. Objective:** The objective of this experiment is to understand how to run a basic c program in the virtual machine.
- 3. Software Requirements:** VirtualBox, Ubuntu, Gcc

4. Description:

Step -1: Open the virtual machine



Step-2: Navigate through Ubuntu and open the terminal



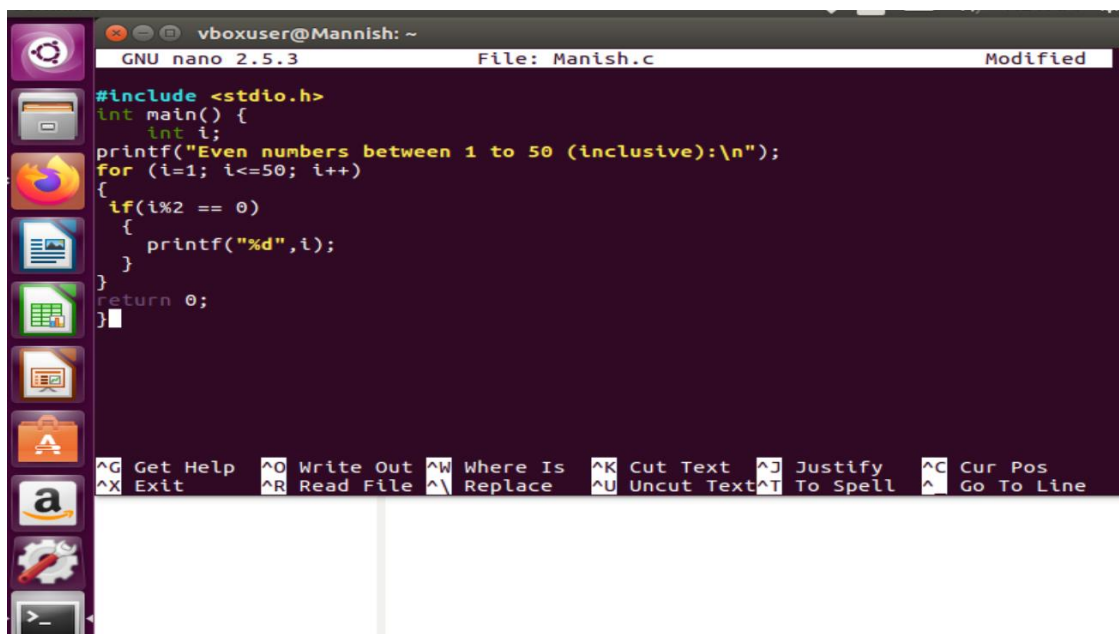
: To install C compiler, enter the following commands:

```
sudo apt install build-essential
```

```
sudo apt install gcc
```

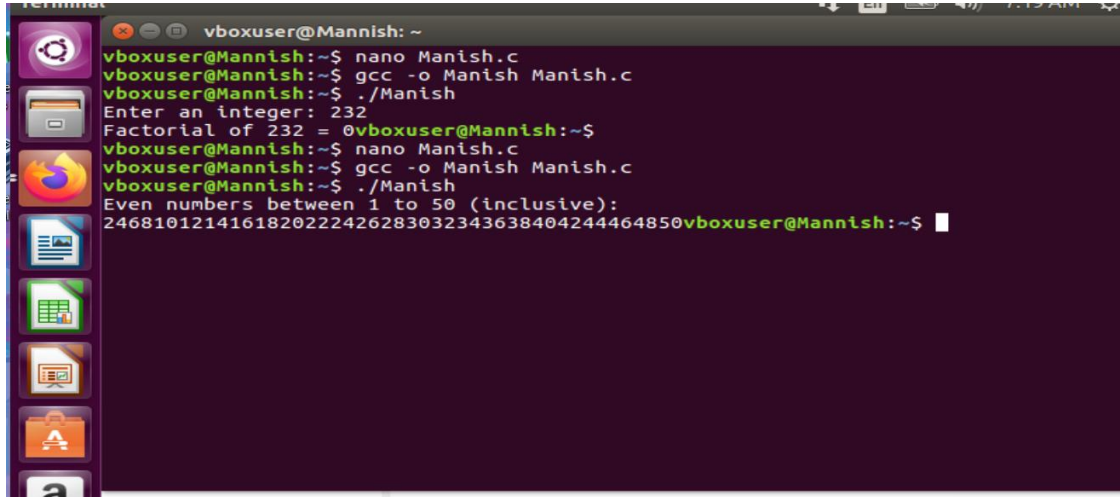
Step-4: Open file using the command “nano file name.c” on the terminal.

Step-5: Type the following program



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

Step-8: Type “./file name” on terminal to run the program



```
vboxuser@Mannish: ~  
vboxuser@Mannish:~$ nano Manish.c  
vboxuser@Mannish:~$ gcc -o Manish Manish.c  
vboxuser@Mannish:~$ ./Manish  
Enter an integer: 232  
Factorial of 232 = 0vboxuser@Mannish:~$  
vboxuser@Mannish:~$ nano Manish.c  
vboxuser@Mannish:~$ gcc -o Manish Manish.c  
vboxuser@Mannish:~$ ./Manish  
Even numbers between 1 to 50 (inclusive):  
2468101214161820222426283032343638404244464850vboxuser@Mannish:~$
```

Learning Outcome:

- Learn how to run c program in virtual machines.
- Understand the use of terminal.
- Learned to use different command in the terminal to run and compile the program.