

EXP NO : 10

DATE : 11-02-2023

**INSTALL A C COMPILER IN THE VIRTUAL MACHINE CREATED USING
VIRTUAL BOX AND EXECUTE SIMPLE PROGRAMS**

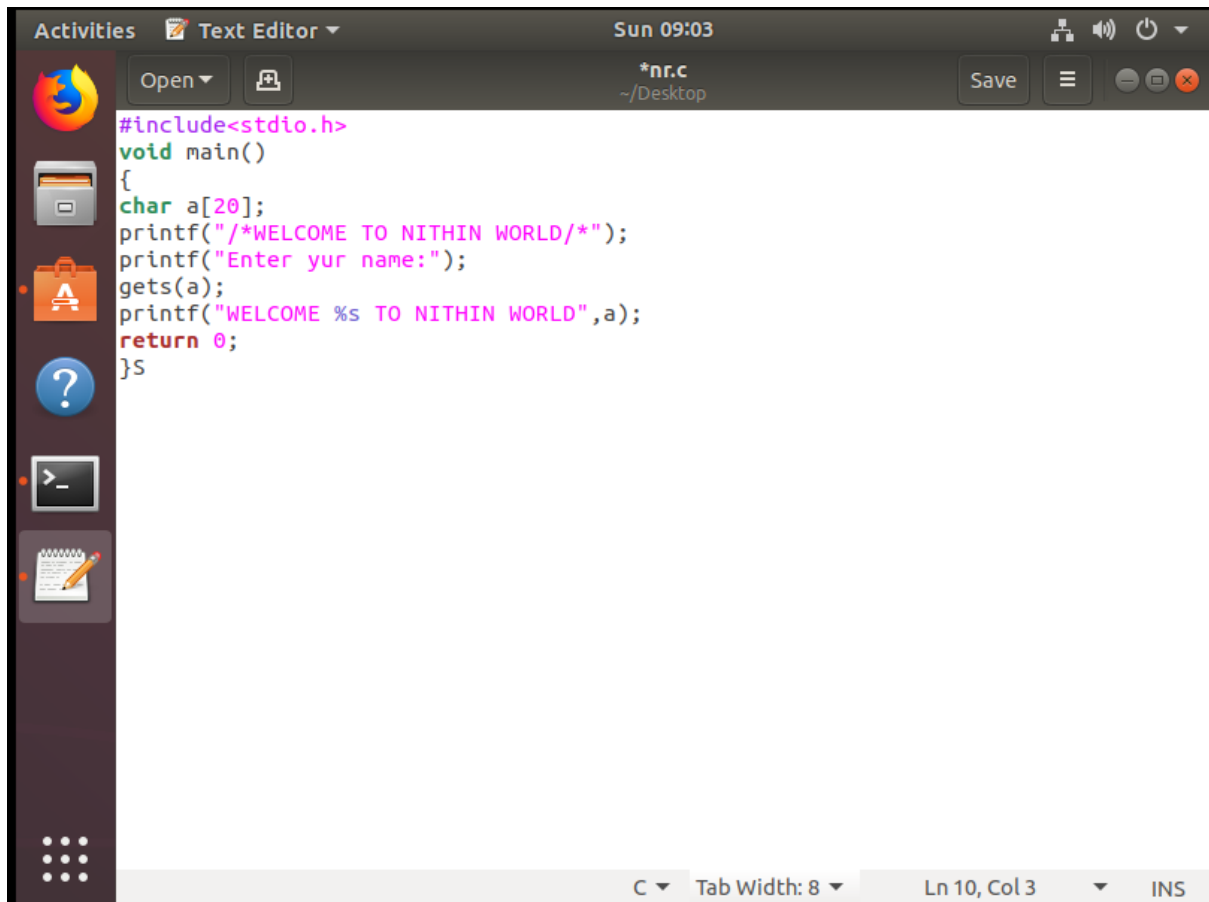
AIM :

To install C compiler in the Virtual Machine.

PROCEDURE :

- 1.Start the Virtual Machine.
- 2.Open the Terminal.
- 3.Give the Command "Sudo apt install gcc".
- 4.Connect to the internet.
- 5.It will automatically download the C compiler.
- 6.To test it type a program in Text Editor and save it with filename.c extension
- 7.then run it with command "cc filename.c".
- 8.to get the output type "./a.out".
- 9.Now you can see the C program output in the Terminal.

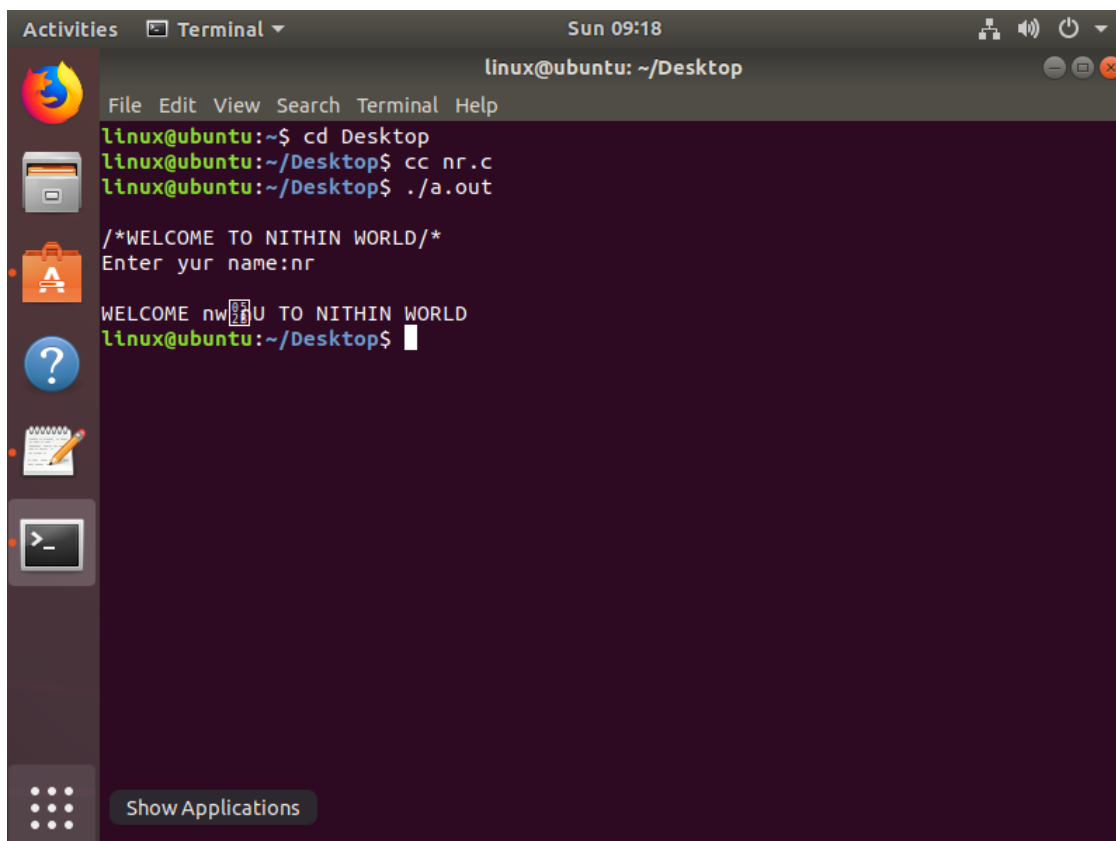
OUTPUTS



The screenshot shows a text editor window titled "Text Editor" with a file named "nr.c" located at "~/Desktop". The code is a C program that prints a welcome message and prompts for a name. The code is as follows:

```
#include<stdio.h>
void main()
{
    char a[20];
    printf("/*WELCOME TO NITHIN WORLD/*");
    printf("Enter yur name:");
    gets(a);
    printf("WELCOME %s TO NITHIN WORLD",a);
    return 0;
}
```

The status bar at the bottom indicates "C", "Tab Width: 8", "Ln 10, Col 3", and "INS".



The screenshot shows a terminal window titled "Terminal" with the prompt "linux@ubuntu: ~/Desktop". The user has executed the following commands:

```
linux@ubuntu:~$ cd Desktop
linux@ubuntu:~/Desktop$ cc nr.c
linux@ubuntu:~/Desktop$ ./a.out
```

The output of the program is:

```
/*WELCOME TO NITHIN WORLD/*
Enter yur name:nr
WELCOME nWORLDU TO NITHIN WORLD
linux@ubuntu:~/Desktop$
```

The status bar at the bottom indicates "Show Applications".

RESULT:

Hence the C compiler in the Virtual Machine is installed.