

**EXP NO :                    INSTALL A C COMPILER IN THE VIRTUAL MACHINE**

**DATE :                                    AND EXECUTE A SAMPLE PROGRAM.**

**AIM :**

To install a C compiler in the virtual machine and execute a sample program.

**PROCEDURE:**

**Step1:**

Open the Guest OS Ubuntu in Virtual Machine.

**Step 2:**

Login into the VM of installed OS.

**Step 3:**

If it is ubuntu then, for gcc installation

```
$ sudo apt-get update
```

```
$ sudo apt-get install gcc
```

```
$ gcc -version
```

**Step 4:**

Write a sample program like sum.c

```
#include <stdio.h>
```

```
void Math() {
```

```
    int First, Second, sum;
```

```
    printf("Enter the First Number: ");
```

```
    scanf("%d", &First);
```

```
    printf("Enter the Second Number: ");
```

```
    scanf("%d", &Second);
```

```
    sum = First + Second;
```

```
printf("The sum of Two Numbers is %d\n", sum);  
  
}  
  
int main() {  
  
    Math(); // Call the Math function  
  
    return 0;  
  
}
```

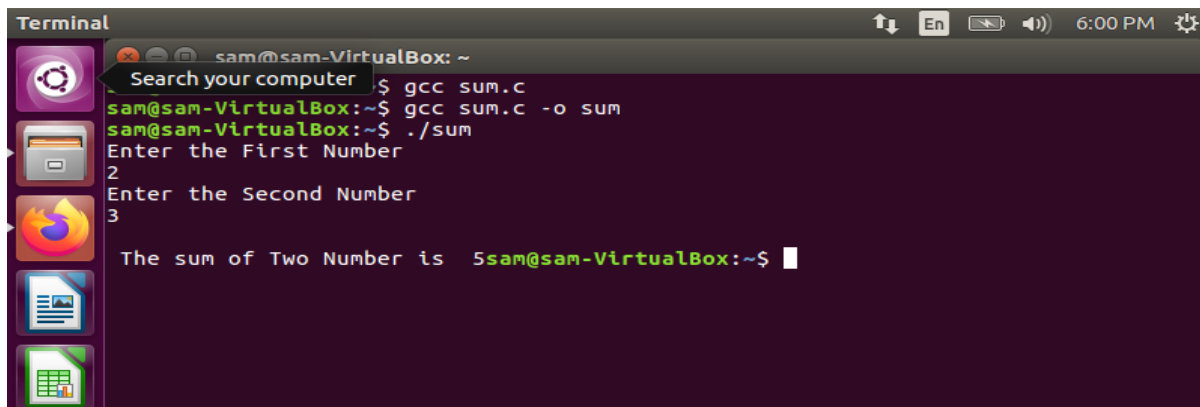
### Step 5:

First we need to compile and link our program. Assuming the source code is saved in a file sum.c, we can do that using C compiler g, for example

➔ gcc sum.c -o sum

And output can be executed by ./sum

### OUTPUT:



```
Terminal  
sam@sam-VirtualBox: ~  
$ gcc sum.c  
sam@sam-VirtualBox:~$ gcc sum.c -o sum  
sam@sam-VirtualBox:~$ ./sum  
Enter the First Number  
2  
Enter the Second Number  
3  
The sum of Two Number is 5  
sam@sam-VirtualBox:~$
```

### RESULT:

Thus the GCC compiler has been successfully installed and executed a sample program.