



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment 1.2

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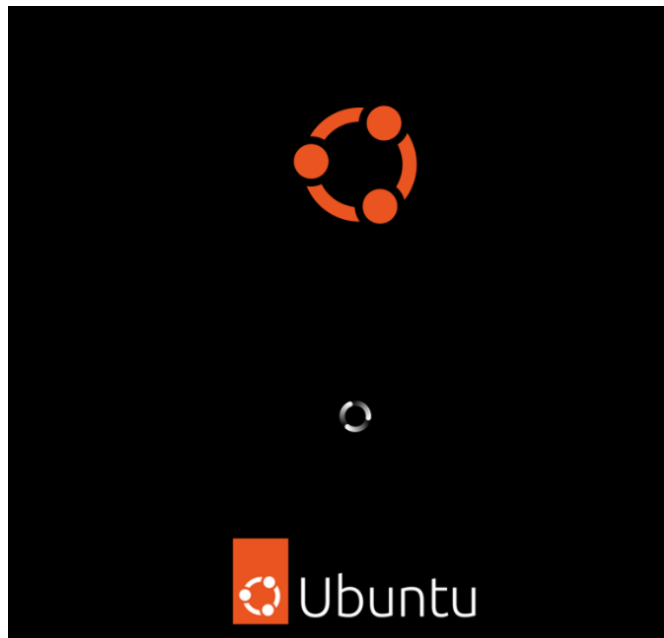
Semester: 6

Date of Performance: 23 January 2024

Subject Name: Cloud Computing and Distributed Systems Lab

Subject Code: 21CSP-378

1. **Aim:** To install a C compiler within the virtual machine established using the virtual machine established using virtual box and run basic program.
2. **Objective:** To install C compiler and work in the same and make a simple program.
3. **Script and Output:**
 - a. Open Virtual Box.

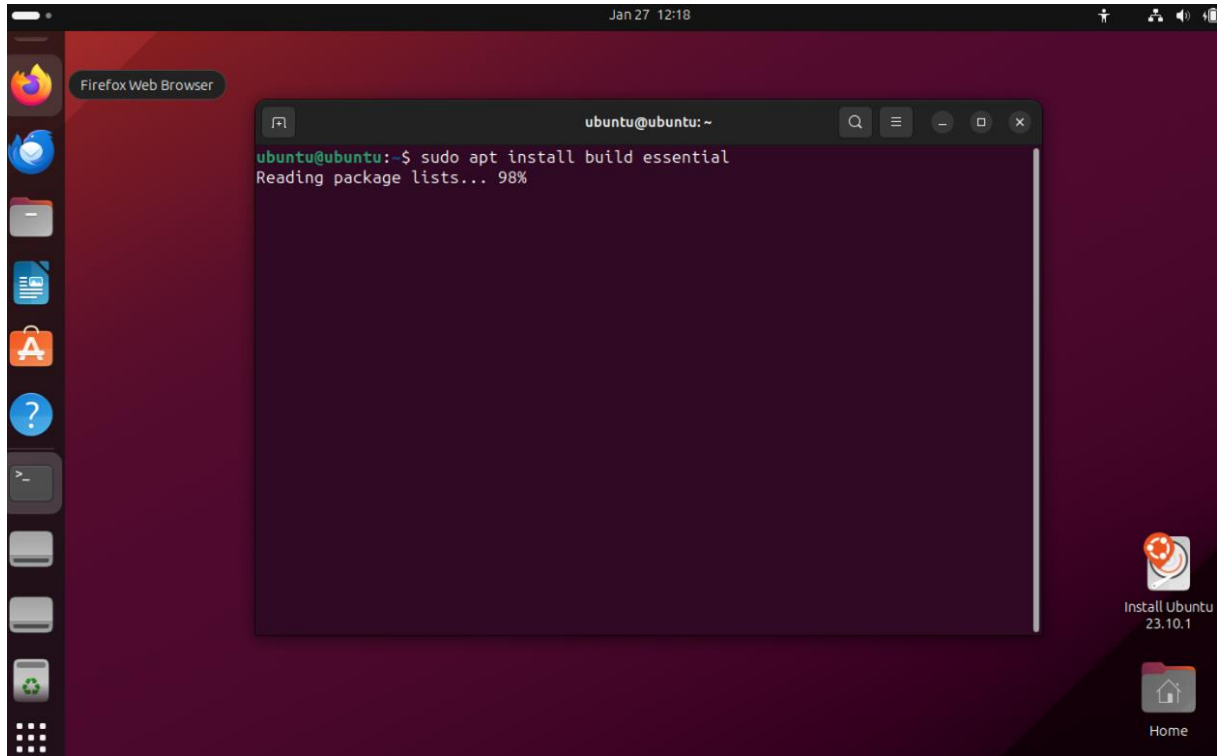




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c. Open the terminal and install the build-essential package



d. Write C program in text editor and save the program on Desktop with the extension .c .



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A screenshot of a code editor window. The window has a title bar with 'include stdio.h int main' and 'Draft'. The code inside is a C program that prompts the user to enter two numbers and prints their sum. The code is as follows:

```
#include<stdio.h>

int main()
{
    int a , b ;
    printf("Enter the two number for sum");
    scanf("%d%d",&a,&b);
    int c = a+b;
    printf("The sum is %d",c);
}
```

e. Now Go to terminal and change the directory location to desktop by writing `cd Desktop`.

A screenshot of a terminal window. The prompt is 'ubuntu@ubuntu:~\$'. The user has entered the command 'cd Desktop'. The prompt has changed to 'ubuntu@ubuntu:~/Desktop\$'.

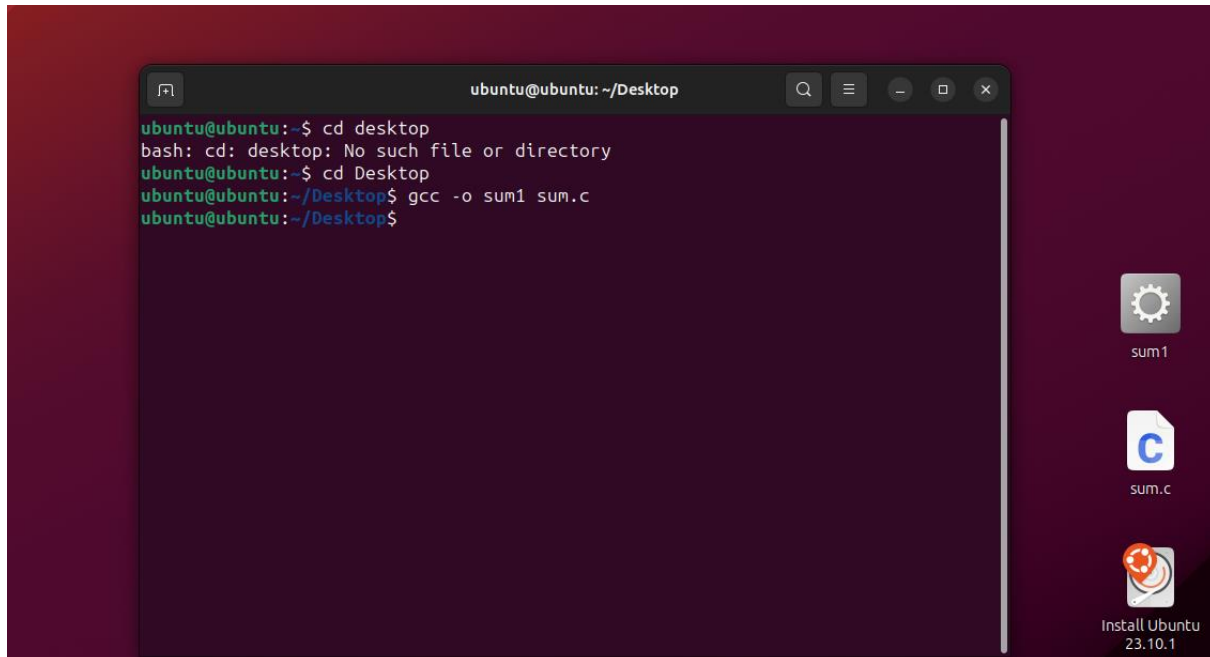
```
ubuntu@ubuntu:~$ cd Desktop
ubuntu@ubuntu:~/Desktop$
```

f. Now write `gcc -o sum1 sum.c`

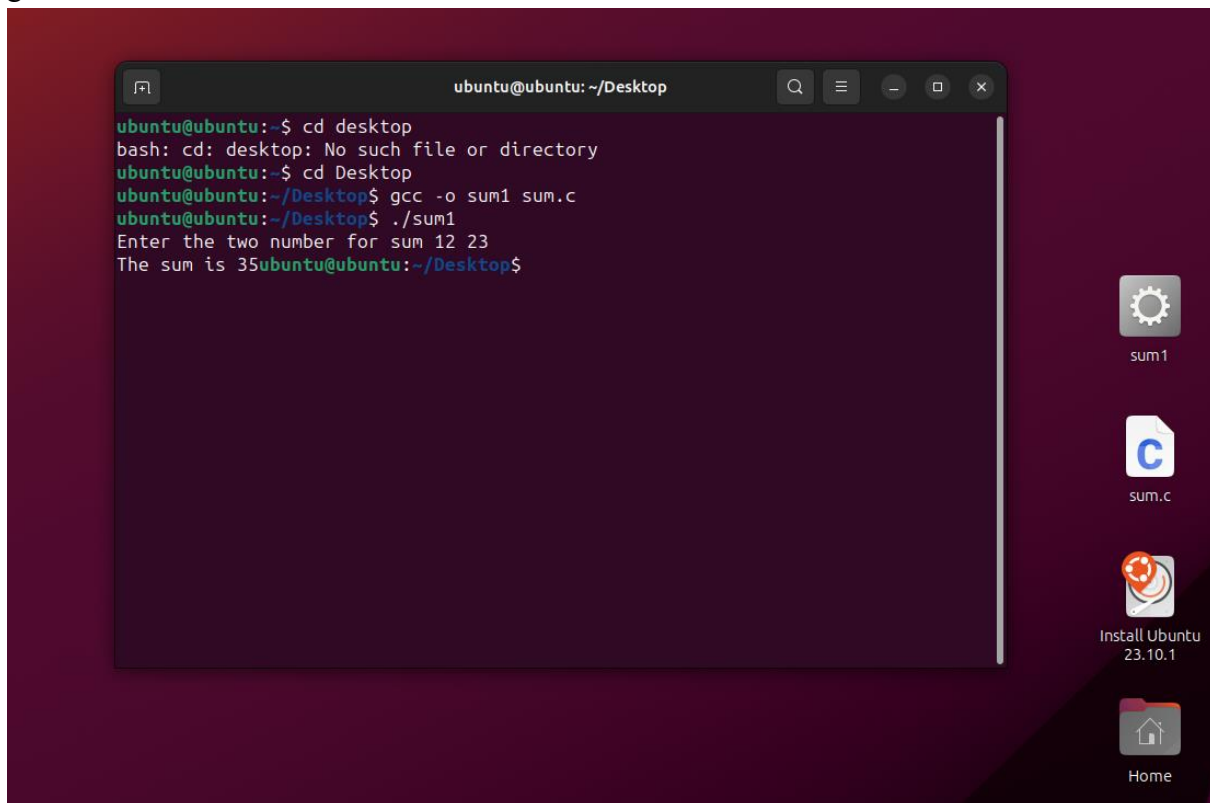


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g. Write `./sum1` to run the file within the terminal





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4. Learning Outcome :

- a. Gain exposure to Ubuntu.
- b. Develop basic troubleshooting skills by overcoming potential challenges during the installation and execution process
- c. Gain knowledge about build essential package.
- d. Understand the process of setting up a development environment