

Open terminal and write the following at the prompt. To open a Text editor using gedit, use the following commands

```
$gedit <filename.c>
```

Check for gcc compiler using following command

```
$gcc -v
```

In case there is no gcc compiler, you can install it using the following commands.

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

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

Example 1

First C program Hello World

You should create a directory and store to store your C programs in this directory. A sample is included here for your understanding.

```
$mkdir C_Programs
```

```
$cd C_Programs
```

```
$gedit helloworld.c
```

//you can write the following code in the file

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

```
int main() {  
    printf("Hello, World");  
    return 0;  
}
```

Save and compile.

```
$gcc -o hello.exe helloworld.c
```

Execute the program.

```
$/hello.exe
```

Sample 2

Program to find sum of 2 numbers

```
#include<stdio.h>

int main(){
    int x=0,y=0,result=0;
    printf("enter first number:");
    scanf("%d",&x);
    printf("enter second number:");
    scanf("%d",&y);
    result=x+y;
    printf("sum of 2 numbers:%d ",result);
return 0;
}
```

Some Points to Note about the C program

#include <stdio.h> includes the standard input output library functions. The printf() function is defined in stdio.h file.
int main() - The main() function is the entry point of every program in c language.
printf() - The printf() function is used to print data on the console.
return 0 - The return 0 statement, returns execution status to the OS. The 0 value is used for successful execution of the program