

# Assessment Exercise 01

## Module 01 Stage 01

### CS110

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Indian Institute of Technology Guwahati  
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## 1 General Instruction

Please read **Module 01 Stage 01 Practice Drill** before you continue further in this document.

## 2 Problem Description

You are supposed to write two C programs. One program is to print *Hello world* and another one is to print *sum of two given integers*. The two programs need to be written in separate folders or directories.

The first task is to create two directories in your present working directory. Give meaningful names to your directories. Go to an appropriate directory and write a hello world program using a text editor.

The hello world program in C is given below

```
#include<stdio.h>

main()
{
    printf("Hello World\n");
}
```

Perform the following tasks:

- Save this file with the appropriate name. **Remember**, c program files must end with **.c** extension.
- List the contents of the directory to check whether this newly created file is present.

- Compile your C program file. Check with the appropriate command whether the executable file **a.out** is created.
- Run **a.out**.

Now write the addition program. The relevant code is given below

```
#include<stdio.h>
main()
{
%variable declaration
int tmp1, tmp2;
int sum = 0;

%assigning values
tmp1 = 4;
tmp2 = 5;

sum = tmp1 + tmp2;

printf("Sum of the two integers %d and %d is %d\n",tmp1,tmp2,sum);
}
```

Save your program with appropriate name. Again remember to include **.c** extension.

You realize that, by mistake this program is saved in the same directory where hello world program is saved.

Do the following:

- Check your location with appropriate command.
- Move your addition program to the correct directory.
- Check file is correctly moved. Check at both the directories.
- Compile it and run the executable file.
- Go back to your home directory, i.e., /home/guest

- Remove both the directories created by you.

Well Done!

Hope you are motivated to do well again in the next session.