

## Lab 01 – 15-06-2023

**Pre Task:** If you have not created program in Dev CPP, first do this task:

Open "dev-c++" and type following program:

```
#include <stdio.h>

int main(){
    printf("This is first program");
    return 0;
}
```

Save this program, press ctrl+s. You will see two items on the bottom:

- File Name:
- Save as Type:

Click "Save as type" and select "C Source File (\*.c)".

Next type file name, press F9 (Function key from keyboard). The program will compile, if there is any error remove error, save file and press F9 again. Repeat this process unless, the file has zero errors.

Next, press F11 to run the program.

**Task 1: Write a program, which displays the following output:**

```
Program Started...
This is the first line of my program.
This is the second line of my program.
Program Ended.
```

**Task 2: Write a program to print the following table using tab character:**

| First Name | Last Name | Degree | Roll no | Batch |
|------------|-----------|--------|---------|-------|
| Ali        | Munir     | DS     | 001     | F22   |
| Ayesha     | Razzaq    | DS     | 002     | F22   |

**Task 3: Write a program to generate the following output:**

Practice 01  
Programming Fundamentals.  
Second Semester  
My Programs

```
First      Second      Third.c
```

**Task 4: Write a program to print the letter 'A' using stars.**

```

      *
    * *
  ***
 *       *
*         *

```

**Task 5: Display the following pattern:**

```
* * * * *
* A B C *
* D E F *
* G H I *
* * * * *
```

**Task 6: Display digits 1 2 3 4 (using underscore and vertical line characters) in print statements:**