In this lab, you will learn to write modular code using functions in C.

The basic objectives are:

- (1) Understand the basic instructions in C.
- (2) Think of ways to implement a given problem in C using functions.
- (3) Get familiar with your IDE.

Task 1: Write a C program which has implementations of min, max and average as separate functions. Use main method to invoke these functions for the numbers 9,1,4,5,6 and 11.

```
Input: None. Output: Min = 1. Max = 11. Avg = 6.
```

Task 2: What is the output of the following program? Understand the program behavior.

```
#include <stdio.h>
char A()
{
    char c = 'B';
    return c;
}
int main()
    printf("%d", sizeof(A()));
    return 0;
}
Modify the above program as follows:
#include <stdio.h>
int A()
{
    char a = 'A';
    char b = 'B';
    return (int) a + b;
}
int main()
{
    printf("%d", sizeof(A()));
    return 0;
}
```

Is there any change in the output? What does size of () do?

Task 3: You and your friend decided to play a game. You will roll a dice first. You see any number between 1 and 6 as a result of rolling the dice. One who gets the larger number wins.

