

## CODING SET 1

### Instructions

- Attempt only with C, C++ or Java
- Efficient practices will be considered
- Make a new folder and name it with your GitHub username
- Both the questions are compulsory

### **Q1. Diagonal Difference.**

Suppose if you have given a square matrix:

```
1 2 3
4 5 6
7 8 9
```

Sum of Diagonal1 and Diagonal 2 will be as follows:

$$\text{Sum1} = 1 + 5 + 9 = 15$$

$$\text{Sum2} = 3 + 5 + 7 = 15$$

Then difference will be  $|\text{Sum1} - \text{Sum2}|$   
Print the difference.

### **Q2. Find the minimum and maximum of Sums [Input is Fixed]**

You have given an array of size 5 i.e [1,2,3,4,5]

You have to sum of the 4 elements according to rule as follows:

$$S1 = 1 + 2 + 3 + 4 = 10$$

$$S2 = 2 + 3 + 4 + 5 = 14$$

$$S3 = 3 + 4 + 5 + 1 = 13$$

$$S4 = 4 + 5 + 1 + 2 = 12$$

$$S5 = 5 + 1 + 2 + 3 = 11$$

The minimum = 10 and maximum = 14  
Print the minimum and maximum value.