United International University
Department of Computer Science and Engineering
CSE 236 Assembly Programming Laboratory,
Assignment 1, Spring 2021, Section B

# Problem Description

You will have to take 5 numbers between **0-9** as input and calculate their sum. ***Keep in mind that the input you are taking is a character. You somehow have to convert it to the corresponding number.*** Then you will print strings based on the value of the sum you calculated. You will have to follow the pseudo-code given below-

```
if 0 <= sum <= 5 or sum >= 40:
    print("The sum is in range 1")
else:
    print("The sum is in range 2")
```

While taking the inputs, you will have to print appropriate input prompts. You will first print **"Enter the first number: "** (there is a space after colon) and take the input in the same line. Then in the next line you will print **"Enter the second number: "** and take the second number as input in the same line. You will do the same for third, fourth and fifth numbers.

| Sample Inputs | Sample Outputs |
|---|---|
| Enter the first number: 1<br>Enter the second number: 1<br>Enter the third number: 1<br>Enter the fourth number: 1<br>Enter the fifth number: 0 | The sum is in range 1 |
| Enter the first number: 8<br>Enter the second number: 8<br>Enter the third number: 8<br>Enter the fourth number: 8<br>Enter the fifth number: 4 | The sum is in range 2 |

## Marks Breakdown

| Task | Marks |
|------|-------|
| Taking 5 inputs | 2 |
| Calculate sum | 2 |
| Correct comparisons | 5 |
| Following the input output format perfectly | 1 |
| Total Marks | 10 |

## Assignment Rules

- **YOU CAN'T USE ANY LIBRARIES OR ANY OTHER INSTRUCTIONS THAT YOU FIND IN THE INTERNET THAT WASN'T COVERED IN CLASS. YOU WILL RECEIVE 0 IF THIS IS THE CASE.**

- Assignment must be submitted in eLMS. Submission via email won't be accepted. **COPY YOUR CODE TO A .txt FILE AND THEN SUBMIT IT. ANY OTHER FILE TYPE WON'T BE ACCEPTED BY eLMS FOR THIS ASSIGNMENT.**

- Rename your file to your student id.

- Deadline for the assignment is 14/03/2021 at 9:00 AM.

- **DO NOT COPY ANY CODE**. Penalty for plagiarism is -100%. Also, powerful plagiarism checker is now included in eLMS. So, your submitted assignment will be automatically checked for plagiarism against your classmates and against the internet by eLMS.

- No request for extending assignment deadline will be entertained.