ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

ORGANISATION OF ISLAMIC COOPERATION (OIC)

Department of Computer Science and Engineering (CSE)

Course: 4108, Lab Task 7-1a

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1. Define 3 functions which perform addition, subtraction and division.
2. Take a mathematical expression as input in the form of a string (character array).
3. Define a function named SolveExpression, which solves the expression using the three functions.

Input: A mathematical expression containing only additions, subtractions and divisions. All the numbers of the expression will be single digit numbers. Assume that all the divisions will be valid integer divisions. **[Hint:** Declare the string as a global variable, and pass the index of the strings as input arguments/parameters to the functions. Each time solve a part of the expression to make it smaller and solve the whole expression part by part to give the final result. Perform the divisions before the additions and subtractions as they have higher precedence.**]**

Output: The result of the expression. The result will be an integer and will not be larger than 100000 (for simplicity).

Sample Input:

8/2+4-2-9/3+7-1

Sample Output:

9