P r o g r a m m i n g F u n d a m e n t a l s

Lab 01 **Marks 100**

Instructions

Work on this lab individually.
You can use your books, notes, handouts etc. but you are not allowed to borrow anything from your peer student.

Objectives

Today's lab will help you to refresh your problem solving skills in pseudo code.

Submission

- Put all the text files of your solution in a zipped folder labeled with your roll number.
- Send your lab submission to hassankhan@pucit.edu.pk by Saturday, May 01, 2021 11:59 PM.
- The **subject** of the email must be **Lab01** only.

In case of any violation(s), your lab will not be accepted/graded.

What you have to do

Solve the following tasks in pseudo code.

Task 1 [20]

Write a program that calculates and displays the Area and Perimeter of Circle with proper output message.

Task 2 [20]

Write a program that takes three numbers and display them into ascending order.

Task 3 [20]

Write a program that mimics a calculator. The program should take as input two integers and the operation to be performed. It should then output the numbers, the operator, and the result. (For division, if the denominator is zero, output an appropriate message.) Use 1 for Addition, 2 for Subtraction, 3 for Multiplication, and 4 for Division. A sample run follow:

Sample run:

Enter 1st number : 13

Enter 2nd number: 5

Enter operator: 3

13 * 5 = 65

Task 4 [20]

Input a number form the user, if it is between 100 and 999, display "three" otherwise display "not three".

Task 5 [20]

Input marks from a user, if marks are greater than 85 display "Excellent", if the marks are between 80 and 84 (both inclusive) display "Very Good", if the marks are between 75 and 79 (both inclusive) display "Good", if the marks are between 70 and 74 (both inclusive) display "Fair", if the marks are between 65 and 69 (both inclusive) display "Satisfactory", otherwise display "You may not get the degree with such marks".

☺ ☺ ☺ **BEST OF LUCK** ☺ ☺ ☺