National University of Computer and Emerging Sciences



Laboratory Manual for Programming Fundamentals

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Lab - 04

Objectives

After performing this lab, students shall be able to write C++ code for the problems involving switch case, conditional operator, relational, logical operators, and while loop.

Note No Array or FOR Loop is allowed for any question.

Problems / Assignments

Question 1

Read N numbers from the user and display their sum and average (Note that the value of N will be entered by the user).

Question 2

Read N numbers and display the largest and the smallest integers. (Note that the value of N will be entered by the user).

Question 3

Read N numbers and display percentage of positive numbers, percentage of zeros and percentage of negative numbers. (Note that the value of N will be entered by the user).

Question 4

Find the factorial of the number entered by the user.

Question 5

Print the Fibonacci sequence (0,1,1,2,3,5,8,13,21, 34,...) till the N member. Take N from user input. Fibonacci sequence is given by formula: sum the last two numbers to get the current.

Question 6

Create a program Mini Calculator that ask user for two number and then ask which operation (+, -, x, /,) he/she wants to do. Then shows the output of the operation. No if else is allowed. At the end the program should ask the user if he wants to quit or do it again. Note Use Switch case only