National University of Computer and Emerging Sciences



Lab Manual

for

Programming Fundamentals

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| Section | PF 1H1 & 1H2 |
| Semester | Fall 2022 |

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# Lab Manual 05

**Problem 1:**

Write a functions to print the maximum and the minimum number respectively among three numbers entered by user.

## Problem 2:

Take num as input and determine if it is triangle or not.  
Note: use user defined function and num as a parameter

**Problem 3:**

Write a number to calculate and display the sum of following series using while loop.

x + x2 + x4 + …….. + xn

**Hint:**

Used **pow(x,i)** function for power

**Output:**



## Problem 4:

Create a calculator that takes a number, a basic math operator (+,-,\*,/,^), and a second number all from user input, and have it print the result of the mathematical operation. The mathematical operations should be wrapped inside of functions

**Problem 5:**

Write a program that displays the following using while loop.

**Output:**

