National University of Computer and Emerging Sciences



Lab Exercise 01

For

Object Oriented Programming Lab

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| Lab Instructor(s) | Mr. Mughees Ismail |
| Semester | Spring 2020 |

**FAST School of Computing**

# Instructions:

1. Make a word document with the naming convention “SECTION\_ LAB#\_ROLLNO” and put all your source code and snapshots of its output in it. Make sure your word file is formatted properly.
2. Plagiarism is strictly prohibited.
3. Do not discuss solutions with one another.

# Useful links

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| **Question#1** |

Write a program that asks the user to enter integers as inputs to be stored in the variables 'a' and 'b' respectively. There are also two integer pointers named ptrA and ptrB. Assign the values of 'a' and 'b' to ptrA and ptrB respectively, and display them.

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| **Question#2** |

Write a C++ function to find the max of an integral data set. The program will ask the user to input the number of data values in the set and each value. The program prints on screen a pointer that points to the max value.

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| **Question#3** |

Create a pointer array and get input in the pointer array and print the values of pointer array by multiplying each value with 2. (USE POINTER NOTATION)

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| **Question#4** |

Write a function that will get a character array, its size and a pointer. The function should then check if the pointer points to one of the elements of the array and return the index number its pointing to, otherwise it should return -1.

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| **Question#5** |

Write a program that inputs the size of an integer array and then starts taking input of the elements of the array, if the number of elements of the exceeds the size of the array your program should extend the size of the array.