



COURSE: (CL-1004) OBJECT ORIENTED PROGRAMMING LAB

LAB TASK # 06 Pointers

NOTE:

Only submit .cpp file of each question in a folder. Anyone who submits any other format file will get straight **ZERO**. Each question should have a separate .cpp file. Copy Paste or other UFM will also get **ZERO**. Use the following format for naming the folder Roll#_Name (P18-1234_NAME).

Q No.01: Pointers

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. The pointer ptrA points to 'a' and ptrB points to 'b'. Display the following:

- a) Address of a and b
- b) Content of a and b
- c) Content using dereference operator

Q No.02: Pointers

Write a C++ program 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. Pass the data set to a function, the function will return pointer to the max value. Print on the screen a pointer that points to the max value.

Q No.03: Pointers

Write a program to find the largest of three numbers using Pointers.

Q No.04: Pointers

Given the string "A string." Print on one line the letter, on the index 0, the pointer position and the letter t. Update the pointer to pointer +2. Then, in another line print the pointer and the letters r and g of the string (using the pointer).

Q No.05: Pointers

Write a program to count vowels and consonants in String using Pointer.

Hint: C-strings are arrays of type char terminated with null character, \0

(ASCII value of null character is 0)

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char str[] = "BeginnersBook"
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