

DSA Lab 1

Task 01:

Write a C++ program to swap two numbers using a pointer.

Task 02:

Write a C++ program to find the maximum value from a dataset. The program must ask the user to enter the size of dataset. The program must read dataset values from the user. The program must print a pointer that points to the max value on console screen.

Hint: Create dynamic array of size specified by user

Task 03:

Write a C++ program to find the average value of a dataset. Your program must keep on taking numbers as input from user and display the average of all numbers after every number is entered.

Initial size of array must be 3 and the array size should double every time maximum limit is reached.

Hints:

- Use dynamic arrays
- Create a function to calculate maximum number