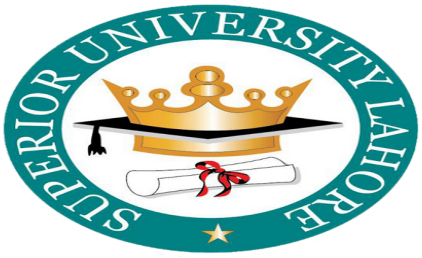
SUPERIOR UNIVERSITY LAHORE



Faculty of Computer Science & IT

Lab Manual

Computer Science for Session 2019 (Semester Fall-2019)

Programing Fundamentals

Target: Arrays Introduction (Lab 10)

Problem Set 1

- Write a program that stores 10 numbers in an array and find the max no among those ten.
- Read the entries of an array of 10 integers from a user. Compute x as the average of the 10 entries and then compute the average of those entries that are greater than or equal to x. Print this final average.
- Write a C++ program to find second largest element in an array.

Problem Set 2

- Write a C++ program to merge two arrays to third array using user defined function.
- Write a program that asks the user to enter an integer. Convert the integer to individual digits and store them to an array i.e. one digit on one index position and prints that. And then checks whether that number is a palindrome or not. Palindrome is a number that is read same from L to R and R to L. For e.g. 2345432 is palindrome so is 123321 where
  as 1234567 is not .
- Write a C+ program to search an element in an array using user defined function.
- Write a C+ program to sort array elements in ascending or descending order.

Target: Looping Structure (Two Dim Arrays)
Problem Set

- Write a C program declare an array of size 3x5, take input from user and store it in array. Find out the maximum number in array and display its index (ROW x COL).
- Write C++ code that takes a two-dim array of length 5x5. Enter number in array after taking input from user. Print the sum of above diagonal of array.

Instructor: HM Zahid

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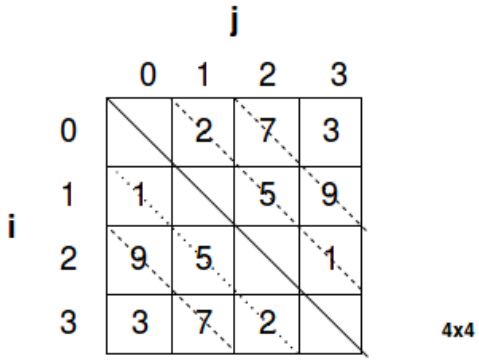

- Write C++ code that takes a two-dim array of length 4x4. Enter number in array after taking input from user. Print the sum of main diagonal of array and elements of array as well.
- Take an array 4x7. Enter numbers in array as input from user. Print the sum of every row.