Faculty of Information Technology

Programming (2)

sheet #1

Array and Functions

- 1- Write a program to find the largest element in an array of 100 elements.
- 2- Write a program to compute the sum of the elements of an array of 50 elements
- 3- Write a program to count the even numbers in an array of 30 elements...
- 4- Write a program to count the positive, negative and zeros in an array of 40 elements
- 5- Write a program to change the values of the negative elements in an array of 1 elements to be positive.
 - For example: if $A=\{2,-5,-3,-4,10,9,8,-7,6,-11\}$ then the program should change it to be $=\{2,5,3,4,10,9,8,7,6,11\}$
- 6- Write a C++ program to search for a given value x in an array A of n elements.
- 7- Write a C++ program to insert a given value x in a sorted array A of n elements.
- 8- Write a C++ program to reverse the elements stored in an array A. If $A = \{1, 5, 7, 9\}$ then A will be $\{9, 7, 5, 1\}$.
- 9- Write a function named "myave" that takes two numbers and returns the average. Write the main function to call the function.
- 10- Write a function named "lcomp_larg" that takes two numbers and returns the largest. Write the main function to call the function.
- 11-Write a function named "printlist" that takes two numbers and prints the numbers between them. Write the main function to call the function.
- 12-Write a function named "myrev" that takes two numbers and reverses them. Write the main function to call the function.
- 13- Write a function named "myfactors" that takes a number and prints its factors. Write the main function to call the function.
- 14-Write a function named "arraysum" that takes an array of n elements and returns the sum of the lements of the array. Write the main function to call the function.