Practice Sheet

Array - Part 1

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Write a program to find the total number of elements in an array?

Write a program to find the largest element in an array?

Write a program to print the next greater element in an array?

Given an array of n elements, and two integers say x and y, present in the array, find out the minimum distance between x and y in the array, that is the number of elements between x and y, including y. If the elements are not present print infinite value.

Example:
ArrayOne = [1, 2, 3, 4, 5, 6]
x = 2
y = 5
Output
3

Given a sorted array of integers, remove the duplicates of the elements from the array.

Example:

Array = [1 2 2 3 3 4]

Output
Array = [1 2 3 4]

Given an array of integers, replace each element of the array with the greatest element present on the right side of the element, in the array. The rightmost element or the last element should be replaced by 0.

Example:
Array = [-1, -3, 3, 2, 8 ,6]

Output: [8, 8, 8, 8, 6, 0].

Write a program to right rotate the elements of an array by 1.

Given an array of integers, circularly rotate the elements of the array, by a given value, say n.
Example:

int array[] = {1,2,3,4,5}
n = 3
output = {3,4,5,1,2}

Write a program to search an element from an array?

Write a program to find out the sum of elements of an array?

Given an array of integers, find out the smallest positive integer missing from the array.

Example:
Array = [-1, -3, 3, 2, 8 ,6]

Output: 1.

Given an array of integers, find and print the repeated elements and their frequency of repetition.

Example:
Array: [1,2,3,4,5,5,3]

Output:
Element—->Frequency

3—->2
5—->2

Given an array, print all the elements whose frequency is one, that is they do not have duplicates.

Example:
Array = [-1, -2, 3, 3, -2]

Output = -1

Write a program to find out the missing number in an array?

Example:

Array = [1, 2, 4, 5, 6]

Missing Number = 3