**ARRAYS IN C**

**Exercises**

* An instructor has 10 students in her class. Each student is identified by a number from 1 to 10. Marks are stored in a one-dimensional array. The instructor would like to enter a student’s test score printed on the monitor. Develop a program to output the needed information, find highest average and minimum number.
* Given an array arr[] of size N which contains elements from 0 to N-1, you need to find all the elements occurring more than once in the given array.

Input:

Array Size =5

Element 1=2

Element 2=3

Element 3=1

Element 4=2

Element 5=3

Output:   
Number 2 and 3 in array occur more than once, display the number of times it appears in the array and also its position.

* Note : Do above task with linear search as well as use binary search algorithm to find/search an element from sorted array.
* Write a program to copy the content of one array into another in reverse order.
* Write a program to sort all the elements of an array (in ascending order and descending order) with the help of bubble sort.
* Write a program to sort all the elements of an array (in ascending order and descending order) with the help of selection sort.
* Insert an element in existing array.



* Delete /Remove an element from existing array.
* You are given an integer array nums. You are initially positioned at the array's first index, and each element in the array represents your maximum jump length at that position.

Return true if you can reach the last index, or false otherwise.

Example 1:

Input: nums = [2,3,1,1,4]

Output: true

Input: nums = [2,4,2,1,0]

Output: true

Example 2:

Input: nums = [3,2,1,0,4]

Output: false

Explanation: You will always arrive at index 3 no matter what. Its maximum jump length is 0, which makes it impossible to reach the last index.