Arrays

1

Write a program to initialize an integer array and print the sum and average of the array.

Topics Covered: One dimensional Array

2

Write a program to initialize an integer array and find the maximum and minimum value of an array.

Topics Covered: One dimensional Array

3

Write a program to initialize an integer array with values and check if a given number is present in the array or not. If the number is not found, it will print -1 else it will print the index value of the given number in the array.

Ex1) Array elements are {1,4,34,56,7} and the search element is 90
O/P: -1

Ex2)Array elements are {1,4,34,56,7} and the search element is 56
O/P: 4

Topics Covered: One dimensional Array

4

Initialize an integer array with ascii values and print the corresponding character values in a single row.

Topics Covered: One dimensional Array

5

Write a program to find the largest 2 numbers and the smallest 2 numbers in the given array

Topics Covered: One dimensional Array

6

Write a program to initialize an array and print them in a sorted fashion

Topics Covered: One dimensional Array

7

Write a program to remove the duplicate elements in an array and print

Eg) Array Elements--12,34,12,45,67,89
O/P: 12,34,45,67,89

Topics Covered: One dimensional Array

8
Write a program to print the element of an array that has occurred the highest number of times

Eg) Array -> 10,20,10,30,40,100,99
O/P:10

Topics Covered: One dimensional Array

9
Write a program to print the sum of the elements of the array with the given below condition. If the array has 6 and 7 in succeeding orders, ignore 6 and 7 and the numbers between them for the calculation of sum.

Eg1) Array Elements - 10,3,6,1,2,7,9
O/P: 22
[i.e 10+3+9]

Eg2) Array Elements - 7,1,2,3,6
O/P:19

Eg3) Array Elements - 1,6,4,7,9
O/P:10

Topics Covered: One dimensional Array

10
Write a program to reverse the elements of a given 2*2 array. Four integer numbers needs to be passed as Command Line arguments.

Example1:
     C:\>java Sample 1 2 3
     O/P Expected : Please enter 4 integer numbers

Example2:
     C:\>java Sample 1 2 3 4
     O/P Expected :

     The given array is :
     1 2
     3 4
     The reverse of the array is :
     4 3
     2 1

     1   2   3   4
     5   6   7   8
     9   10   11   12

Topics Covered: Two Dimensional Array

11
Write a program to find greatest number in a 3*3 array. The program is supposed to receive 9 integer numbers as command line arguments.

Example1:

    C:\>java Sample 1 2 3

    O/P Expected : Please enter 9 integer numbers

Example2:

    C:\>java Sample 1 23 45 55 121 222 56 77 89

    O/P Expected :

    The given array is :
    1 23 45
    55 121 222
    56 77 89
    The biggest number in the given array is 222

Topics Covered: Two Dimensional Array