



Coding Challenge #3 (Question)

Drishti is working in a Techno company. Drishti was developing an application, where the application will sort the salaries of the workers in increasing order. So, help him in building the application in required time.

Input format:

1. The first line of input contains integer “n” which resembles the size of the array.
2. The second line contains “n” number of array elements.

Output format:

The output contains sorted array in increasing manner.

Sample input 0:

5

900 500 100 200 800

Sample output 0:

100 200 500 800 900

Explanation:

Sort the given array in increasing order. Given array=[900, 500, 100, 200, 800].

The array in increasing manner i.e., array=[100, 200, 500, 800, 900]

Sample input 1:

10

1000 900 800 500 600 200 1100 100 200 1200

Sample output 1:

100 200 200 500 600 800 900 1000 1100 1200



Coding Challenge #3 (Question contd.)

Complete the Arraysort() function in the code given below:

```
#include<stdio.h>
int Arraysort(int size,int arr[]);
int Arraysort(int size,int arr[])
{

    /*complete the code*/

}

int main()
{

    int arr[1000],size;
    printf("Enter the size of array: ");
    scanf("%d",&size);
    printf("Enter array elements: ");
    for(int i=0;i<size;i++)
        scanf("%d",&arr[i]);
    Arraysort(size,arr);
    for(int i=0;i<size;i++)
        printf("%d ",arr[i]);

}
```



Coding Challenge #4 (Question)

Jaswanth wants to find the second largest number in the array store. Based on this he is developing the application. So, help him to build the logic which helps him to develop the application.

Input:

The first line contains an integer T, total number of elements. Then follow T integers.

Output:

Display the second largest among the given T integers.

Constraints

$1 \leq T \leq 1000$

$1 \leq \text{integers} \leq 1000000$

Sample Input 0:

7

23 45 7 34 25 25 89

Sample Output 0:

45

Sample input 1:

10

10 5 10 19 100 15 16 24 22 24

Sample output 1:

24



Coding Challenge #4 (Question contd.)

Complete the Second_largest() function in the code given below:

```
#include<stdio.h>
int Second_largest(int size, int arr[]);
int Second_largest(int size, int arr[])
{

    /*complete the code*/

    return sec_big;           //returns second largest
}

int main()
{
    int arr[50], size, i, j = 0, sec_big;
    printf("enter the size: \n"); //enter the size of array
    scanf("%d", &size);
    printf("Enter the array elements: ");
    for(int i=0; i<size; i++) //enter the array elements
        scanf("%d", &arr[i]);
    sec_big=Second_largest(size,arr); //function call is here
    printf("%d", sec_big);
    return 0;
}
```