

**Given an integer array of size N, write a program to sort the array;**

**Sample input 1:**

**4**

**2 4 1 3**

**Sample output 1:**

**1 2 3 4**

**Sample input 2:**

**5**

**1 5 7 5 3**

**Sample output 2:**

**1 3 5 5 7**

**Solution:**

**C**

```
#include <stdio.h>
```

```
#include <limits.h>
```

```
void Sorting(int *arr, int n)
```

```
{
```

```
    int idx,temp;
```

```
    for(int i = 0 ; i<n-1 ; i++)
```

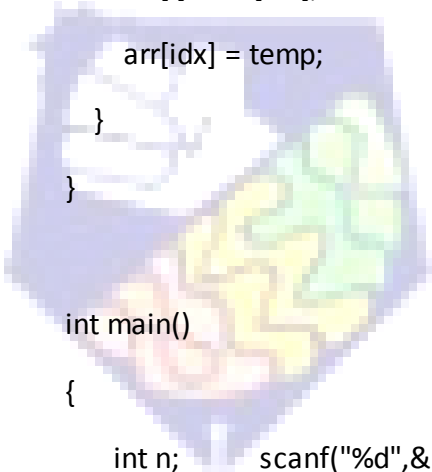
```
    {
```

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```
    idx = i;
    for(int j = i+1 ; j<n ; j++)
    {
        if(arr[idx]>arr[j])
        {
            idx = j;
        }
    }
    temp = arr[i];
    arr[i] = arr[idx];
    arr[idx] = temp;
}
}

int main()
{
    int n;    scanf("%d",&n);
    int arr[n];
    for(int i = 0 ; i<n ; i++)
    {
        scanf("%d",&arr[i]);
    }
    Sorting(arr,n);
    for(int i = 0 ; i<n ; i++)
    {
```



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```
        printf("%d ",arr[i]);  
    }  
    return 0;  
}
```

### C++

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int n;    cin>>n;
```

```
    int arr[n];
```

```
    for(int i = 0 ; i<n ; i++)
```

```
    {
```

```
        cin>>arr[i];
```

```
    }
```

```
    sort(arr,arr+n);
```

```
    for(int i = 0 ; i<n ; i++)
```

```
    {
```

```
        cout<<arr[i]<<" ";
```

```
    }
```

```
    return 0;
```

```
}
```

### JAVA

```
import java.util.*;
```

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```
class Main
{
    public static void main(String[] args) throws java.lang.Exception
    {
        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();

        int arr[] = new int[n];

        for(int i = 0 ; i<n ; i++)
        {
            arr[i] = sc.nextInt();
        }

        Arrays.sort(arr);

        for(int i = 0 ; i<n ; i++)
        {
            System.out.print(arr[i] + " ");
        }
    }
}
```

## PYTHON

```
#Driver function

n = int(input())

arr = list(map(int,input().split(' ')))

arr.sort()

print(arr)
```