

```
1 #include <stdio.h>
2 int main()
3 {
4     int n;
5     printf("Enter the size of the 1D Array: ");
6     scanf("%d", &n);
7
8     int arr1[n], i, j, temp;
9     for (i = 0; i < n; i++)
10     {
11         printf("Enter the %d Element in Array: ", i);
12         scanf("%d", &arr1[i]);
13     }
14
15     for (i = 0; i < n; i++)
16     {
17         for (j = i + 1; j < n; j++)
18         {
19             if (arr1[i] > arr1[j])
20             {
21                 temp = arr1[i];
22                 arr1[i] = arr1[j];
23                 arr1[j] = temp;
24             }
25         }
26     }
27     printf("The Sorted Array is : ");
28     for (i = 0; i < n; i++)
29     {
30         printf("%d", arr1[i]);
31         if (i == n - 1)
32             printf("\n");
33         else
34             printf(",");
35     }
36 }
```

```
PS E:\Programs in C language> cd "e:\Programs in C language\" ; if ($?) { gcc 45.SortingOf1DArray.c -o 45.SortingOf1DArray.exe } ; if ($?) { .\45.SortingOf1DArray.exe }
Enter the size of the 1D Array: 10
Enter the 0 Element in Array: 10
Enter the 1 Element in Array: 12
Enter the 2 Element in Array: 12
Enter the 3 Element in Array: 12
Enter the 4 Element in Array: 12
Enter the 5 Element in Array: 13
Enter the 6 Element in Array: 56
Enter the 7 Element in Array: 56
Enter the 8 Element in Array: 78
Enter the 9 Element in Array: 78
The Sorted Array is : 10,12,12,12,12,13,56,56,78
PS E:\Programs in C language>
```