

```
33      }  
34  }  
35  
36
```

33:1

Open File

Custom Input

```
5  
2 5 4 7 9|
```

Status Successfully executed **Date** 2020-06-17 14:11:31 **T**

Input

```
5  
2 5 4 7 9
```

Output

```
enter the elements  
5  
enter the array elements  
2   5   4   7   9  
after merge sort  
2
```

```
1  #include<stdio.h>
2  int main()
3  {
4      int a[10],i,j,n,ele;
5      printf("enter the elements\n");
6      scanf("%d\n",&n);
7      printf("%d\n",n);
8      printf("enter the array elements\n");
9      for(i=0;i<n;i++)
10     {
11         scanf("%d\t",&a[i]);
12         printf("%d\t",a[i]);
13     }
14     for(i=1;i<n;i++)
15     {
16         j=1;
17         while(j>=1 && a[j]<a[j-1])
18         {
19             if(a[j]<a[j-1])
20             {
21                 ele=a[j];
22                 a[j]=a[j-1];
23                 a[j-1]=ele;
24             }
25             j=j-1;
26         }
27     }
28     printf("\n after merge sort\n");
29     for(i=0;i<n;i++)
30     {
31         printf("%d\t",a[i]);
32         return 0;
33     }
34 }
35
36
```