

## DSA\_College\insertionSort.cpp

```
1  #include<iostream>
2  using namespace std ;
3
4  void IS(int* arr, int n)
5  {
6      for(int i=1;i<n;i++)
7      {
8          int temp = arr[i] ;
9          int j = i-1 ;
10         while(j >= 0 && arr[j] > temp)
11         {
12             arr[j+1] = arr[j] ;
13             j = j-1 ;
14         }
15         arr[j+1] = temp ;
16     }
17 }
18
19 void print(int arr[], int n)
20 {
21     for(int i=0;i<n;i++)
22     {
23         cout<<arr[i]<<" " ;
24     }
25     cout<<endl;
26 }
27
28 int main()
29 {
30     int arr[6] = {2,6,1,9,4,0} ;
31     IS(arr,6) ;
32     print(arr,6) ;
33     return 0;
34 }
```