**/\*WAP to implement Insertion Sorting Algorithm\*/**

**#include<iostream>**

**using namespace std;**

**int main()**

**{**

**int n,key =1;**

**cout<<"enter number of items to be sorted:: ";**

**cin>>n;**

**int arr[n];**

**cout<<"enter "<<n<<" items:: "<<endl;**

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

**cin>>arr[i];**

**for(key; key<n; key++)**

**{**

**int temp,i=key;**

**while(arr[i]<arr[i-1] && i>0)**

**{**

**temp=arr[i];**

**arr[i]=arr[i-1];**

**arr[i-1]=temp;**

**i--;**

**}**

**}**

**cout<<"the sorted array is::"<<endl;**

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

**cout<<arr[i]<<endl;**

**return 0;**

**}**