```cpp
#include <iostream>

using namespace std;

#define MAX 100

int main()
{
        //array declaration
        int arr[MAX];
        int n,i,j;
        int temp;

        //read total number of elements to read
        cout<<"Enter total number of elements to read: ";
        cin>>n;

        //check bound
        if(n<0 || n>MAX)
        {
                cout<<"Input valid range!!!"<<endl;
                return -1;
        }

        //read n elements
        for(i=0;i<n;i++)
        {
                cout<<"Enter element ["<<i+1<<"] ";
                cin>>arr[i];
        }

        //print input elements
        cout<<"Unsorted Array elements:"<<endl;
        for(i=0;i<n;i++)
                cout<<arr[i]<<"\t";
        cout<<endl;

        //sorting - ASCENDING ORDER
        for(i=0;i<n;i++)
        {
                for(j=i+1;j<n;j++)
                {
                        if(arr[i]>arr[j])
```

```cpp
                {
                        temp  =arr[i];
                        arr[i]=arr[j];
                        arr[j]=temp;
                }
        }
}

//print sorted array elements
cout<<"Sorted (Ascending Order) Array elements:"<<endl;
for(i=0;i<n;i++)
        cout<<arr[i]<<"\t";
cout<<endl;


return 0;

}
```