#include<iostream>

using namespace std;

template<class T>

void swapping(T &a , T &b)

{

int temp;

temp=a;

a=b;

b=temp;

}

void display(int \*array , int size)

{

for(int i = 0; i<size; i++)

{

cout << array[i] << " ";

cout << endl;

}

}

void selection\_sort(int \*array , int size)

{

int i,j,min;

for (i=0;i<size-1;i++)

{

min=i;

for (j=i+1;j<size;j++)

{

if(array[j]<array[min])

{

min=j;

}

swap(array[i],array[min]);

}

}

}

int main()

{

int n;

cout<<"number of element in the list : \n";

cin>>n;

int arr[n];

cout<<"enter the elements : \n";

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

{

cin>>arr[i];

}

cout<<"element before sorting :"<<endl;

display(arr,n);

selection\_sort(arr,n);

cout<<"element after sorting :"<<endl;

display(arr,n);

return 0;

}

**OUTPUT** :-

