Program:

#include <bits/stdc++.h>

using namespace std;

void traverse(int arr[], int n){

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

cout<<arr[i]<<" ";

}cout<<endl;

}

void insertionSort(int arr[], int n){

for(int i=1; i<n; i++){

traverse(arr, n);

int j = i;

while(j){

if(arr[j] < arr[j-1]){

swap(arr[j], arr[j-1]);

}else{

break;

}

j--;

}

}

}

void selectionSort(int arr[], int n){

for(int i=0; i<n-1; i++){

traverse(arr, n);

int mini = INT\_MAX;

int minInd = i;

for(int j = i; j<n; j++){

if(arr[j] < mini){

mini = arr[j];

minInd = j;

}

}

swap(arr[i], arr[minInd]);

}

}

int main()

{

int n1;

cin >> n1;

int arr1[n1];

for(int i=0; i<n1; i++){

cin >> arr1[i];

}

insertionSort(arr1, n1);

traverse(arr1, n1);

int n2;

cin >> n2;

int arr2[n2];

for(int i=0; i<n2; i++){

cin >> arr2[i];

}

// int arr2[]={5, 4, 3, 2, 1}; int n2=5;

selectionSort(arr2, n2);

traverse(arr2, n2);

return 0;

}

Output:

