#include<iostream>

using namespace std;

#define Size 10

int n;

template <class T>

void selection(T a[Size])

{

int i,j;

T temp;

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

{

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

{

if(a[j]<a[i])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

cout<<"\nAfter Pass"<<i+1;

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

{

cout<<"\t"<<a[k];

}

}

cout<<endl;

cout<<"\n The sorted List Is...\n";

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

cout<<"\t"<<a[i]<<endl;

}

int main()

{

int i,a[Size];

float b[Size];

cout<<"\n Integer Numbers";

cout<<"\nHow many elements are there?";

cin>>n;

cout<<"\nEnter the Integer Numbers"<<endl;

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

cin>>a[i];

selection(a);

cout<<"\n Float Numbers";

cout<<"\nHow many elements are there?";

cin>>n;

cout<<"\nEnter the float Numbers"<<endl;

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

cin>>b[i];

selection(b);

return 0;

}