```cpp
//OOP Lab 05 Templates



#include<iostream>
using namespace std;

template <class T>

class selectionSort{
public:
T a[20];
int n;
void input(){
cout<<"\nHow many input you want to enter: ";
cin>>n;
for(int i=0;i<n;i++){
    cout<<i+1<<": ";
    cin>>a[i];
}
}

//sorting stared
int SmallIndex(T a[],int i, int n){
    T mini;
    int position,j;
    mini = a[i];
    position = i;
    for(j=i+1;j<n;j++)
    {
        if(a[j]<mini)
        {
            mini = a[j];
            position=j;
        }
    }
    return position;
}

void sortArr(){
    cout<<"\n\nInitial unsorted array: "<<endl;
for(int i=0;i<n;i++){
    cout<<a[i]<<" ";
}
int pos = 0;
T temp;
T mini = a[pos];
for(int i=0;i<n;i++){
        pos = SmallIndex(a,i,n);
        temp = a[i];
        a[i]=a[pos];
        a[pos] = temp;
    }
cout<<"\n\nFinal sorted array: "<<endl;
```

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        for(int i=0;i<n;i++){
            cout<<a[i]<<" ";
        }
    }


};
int main(){
    cout<<"################### For integer numbers #################"<<endl;
    selectionSort <int>obj;
    obj.input();
    obj.sortArr();

    cout<<"\n\n################# For float numbers
#################"<<endl;
    selectionSort <float>obj1;
    obj1.input();
    obj1.sortArr();
    cout<<"\n\n\n\n\n\n                 "<<endl;
    return 0;
}
```