Selection Sort

#include <iostream>

#include<conio.h>

#define MAX 10

using namespace std;

class selsort{

int arr[MAX],n;

public:

void getdata();

void showdata();

void sortLogic();

};

void selsort :: getdata(){

cout<<"How many elements you require : ";

cin>>n;

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

{

cout<<"Enter Element in Cell :"<<i<<"\t";

cin>>arr[i];

}

}

void selsort :: showdata(){

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

{

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

}

}

void selsort :: sortLogic(){

int temp,min;

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

min=i;

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

if(arr[min] > arr[j]){

min=j;

}

}

temp = arr[min];

arr[min] = arr[i];

arr[i] = temp;

}

}

int main(){

//clrscr();

cout<<"\n\*\*\*\*\*Selection Sort\*\*\*\*\*\n";

selsort obj;

obj.getdata();

cout<<"\n--UnSorted Elements--\n";

obj.showdata();

obj.sortLogic();

cout<<"\n--Sorted Elements--\n";

obj.showdata();

return 0;

}