selectionsort\_07.cpp

**Compile:** g++ selectionsort\_07.cpp -o selectionsort\_07

**Run:** ./selectionsort\_07

**Program:**

#include<iostream>

using namespace std;

classselection\_sort

{

public:

int n;

int array[100];

voidgetdata()

{

cout<<"Enter the size of array: ";

cin>>n;

cout<<"Enter values: "<<endl;

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

{

cin>>array[i];

}

select\_sort();

}

voidselect\_sort()

{

cout<<endl<<"Pass 0: ";

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

{

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

}

int index;

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

{ index=i;

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

{

if(array[index]>=array[j])

{

index=j;

}

}

if(index!=i)

{

int temp=array[index];

array[index]=array[i];

array[i]=temp;

}

cout<<endl<<"Pass "<<i+1<<": ";

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

{

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

}

}

cout<<endl;

}

};

int main()

{

selection\_sort ss1;

ss1.getdata();

return 0;

}

**Output:**

