**SELECTIONSORT ALGORITHM**

#include <iostream>

using namespace std;

void SELECTIONSORT(int A[], int n);

int main()

{const int n=10;

int A[n], j;

cout << "Enter the elements of the array: \n";

for(j=0; j<n; j++) cin>>A[j];

for(j=0; j<n; j++) cout<<A[j]<< " " ;

cout<<endl;

SELECTIONSORT(A, n);

for(j=0; j<n; j++) cout<<A[j]<< " " ;

}

void SELECTIONSORT(int A[], int n)

{int i, j, min, temp;

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

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

if(A[i]<A[min]) min=i;

temp=A[j];

A[j] = A[min];

A[min] = temp;

}

}