

```
// Selection Sort Method to sort a given array of integers.cpp :  
This file contains the 'main' function. Program execution begins  
and ends there.  
//
```

```
#include <iostream>  
using namespace std;
```

```
void selectionSort(int arr[], int size)  
{  
    int minIndx;  
    for (int i = 0; i < size-1; i++) {  
        minIndx = i;  
        for (int j = i + 1; j < size; j++) {  
            if (arr[j] < arr[minIndx]) {  
                minIndx = j;  
                swap(arr[i], arr[minIndx]);  
            }  
        }  
    }  
}
```

```
void printArray(int arr[], int size)  
{  
    for (int i = 0; i < size; i++)  
        cout << arr[i] << " ";  
}
```

```
int main()  
{  
    int arr[10] = { 10,50,40,2,5,80 };  
    int size = sizeof(arr) / sizeof(arr[0]);  
    cout << "\nbefor selection sort....." << endl;  
    printArray(arr, size);  
  
    selectionSort(arr, size);  
    cout << "\n\after selection sort....." << endl;  
    printArray(arr, size);  
}
```