#include <iostream>

using namespace std;

void swap(int \*a, int \*b)

{

int temp = \*a;

\*a = \*b;

\*b = temp;

}

void printArray(int array[], int size)

{

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

{

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

}

cout << endl;

}

void selectionSort(int array[], int size)

{

for (int step = 0; step < size - 1; step++)

{

int min\_idx = step;

for (int i = step + 1; i < size; i++)

{

if (array[i] < array[min\_idx])

min\_idx = i;

}

swap(&array[min\_idx], &array[step]);

}

}

int main()

{

int data[] = {20, 12, 10, 15, 2};

int size = sizeof(data) / sizeof(data[0]);

selectionSort(data, size);

cout << "Sorted array in Acsending Order:\n";

printArray(data, size);

}