#include <iostream>

using namespace std;

void bubbleSort(int array[], int size)

{

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

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

{

// To sort in descending order, change > to < in this line.

if (array[i] > array[i + 1])

{

int temp = array[i];

array[i] = array[i + 1];

array[i + 1] = temp;

}

}

}

}

void printArray(int array[], int size)

{

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

{

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

}

cout << "\n";

}

int main()

{

int data[] = {-2, 45, 0, 11, -9};

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

bubbleSort(data, size);

cout << "Sorted Array in Ascending Order:\n";

printArray(data, size);

}