**Ma’lumotlar tuzilmasi va algoritmi**

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**Guruh: 911-21**

**Amaliyot: 3-amaliyot**

**Misol: 5-savol**

**Dasturlash tili: C++ CodeBlocks**

**Savol:** Xo

1. Berilgan A massiv elementlarini Bubble sort usuli yordamida saralansin.

#include <iostream>

using namespace std;

void bubbleSort(int array[], int size) {

for (int step = 0; step < size; ++step) {

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

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 << "O'sish tartibida tartiblangan massiv:\n";

printArray(data, size); }

