// C++ program to sort an array

#include <algorithm>

#include <iostream>

using namespace std;

void show(int a[], int array\_size)

{

    for (int i = 0; i < array\_size; ++i)

        cout << a[i] << " ";

}

// Driver code

int main()

{

    int a[] = { 1, 5, 8, 9, 6, 7, 3, 4, 2, 0 };

    // size of the array

    int asize = sizeof(a) / sizeof(a[0]);

    cout << "The array before sorting is : \n";

    // print the array

    show(a, asize);

      // sort the array

    sort(a, a + asize);

    cout << "\n\nThe array after sorting is :\n";

    // print the array after sorting

    show(a, asize);

    return 0;

}