// ArraySorter.h header file

#pragma once

class ArraySorter

{

public:

void operator() (int\* arr, int size);

};

// ArraySorter.cpp: Class function Implementation file

#include "ArraySorter.h"

#include <iostream>

#include <algorithm>

// Comparator function; For std:sort.

bool compare\_des(int a, int b) {

return a > b;

}

// Class function implementation

void ArraySorter::operator() (int\* arr, int size) {

std::sort(arr, arr + size, compare\_des);

}

// Source.cpp: main test file

#include "ArraySorter.h"

#include <iostream>

using namespace std;

int main() {

// Array and array size

int arr[] = { 3,1,4,2,5 };

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

// Declare and initize class object

ArraySorter sorter;

// Test overloaded ()

sorter(arr, size);

// Print out sorted array

for (int i : arr) {

cout << i << " ";

}

cout << endl;

return 0;

}