package com.company;  
  
public class Main  
{  
 public static void main(String args[])  
 {  
 int massivniy[] = {50,10, 9, 1, 4, 8, 7, 20,2, 3, 5, 6,25}; int a = massivniy.length;  
 Main kucha = new Main(); kucha.masssorting(massivniy);  
 System.*out*.println("Куча отсортирована туда -> "); *massiveshow*(massivniy);  
 }  
 public void masssorting(int massivniy[])  
 {  
 int a = massivniy.length;  
 for (int i = a / 2 - 1; i >= 0; i--)  
 sortirovka(massivniy, a, i);  
 for (int i=a-1; i>=0; i--)  
 {  
 int temp = massivniy[0]; massivniy[0] = massivniy[i];  
 massivniy[i] = temp; sortirovka(massivniy, i, 0);  
 }  
 }  
 void sortirovka(int massivniy[], int a, int i)  
 {  
 int bolshe = i; int b = 2\*i + 1; int c = 2\*i + 2;  
 if (b < a && massivniy[b] > massivniy[bolshe])  
 bolshe = b;  
 if (c < a && massivniy[c] > massivniy[bolshe])  
 bolshe = c;  
 if (bolshe != i)  
 {  
 int swap = massivniy[i];  
 massivniy[i] = massivniy[bolshe];  
 massivniy[bolshe] = swap;  
 sortirovka(massivniy, a, bolshe);  
 }  
 }  
 static void massiveshow(int massivniy[])  
 {  
 int a = massivniy.length;  
 for (int i=0; i<a; ++i)  
 System.*out*.print(massivniy[i]+" ");  
 System.*out*.println();  
 }  
}

package com.company;  
import org.junit.jupiter.api.Test;  
import org.junit.jupiter.api.BeforeEach;  
import org.junit.jupiter.api.AfterEach;  
import static org.junit.jupiter.api.Assertions.\*;  
class MainTest extends Main  
{  
 @BeforeEach  
 void setUp() {  
 }  
 @Test  
 void testmasssorting() {  
 }  
 @Test  
 void testsortirovka() {  
 }  
 @Test  
 void testMassiveshow() {  
 }  
 @Test  
 void testMain() {  
 }  
 @AfterEach  
 void tearDown() {  
 }  
}