public class h2 {

public static void main(String[] args) {

test2 q = new test2();

q.q1();

q.q2();

q.q3();

q.q4();

q.q5();

q.q6();

}

}

class test2 {

public void q1() {

System.out.println("1.数组排序：{1,23,6,74,8,19,104} 按 从小到大排序。");

int[] a = {1, 23, 6, 74, 8, 19, 104};

int MIN, tmp;

/\*\*

\* 选择排序

\*/

for (int i = 0; i < a.length; i++) {

MIN = i;

for (int j = i; j < a.length; j++) {

if (a[j] < a[MIN]) {

MIN = j;

}

}

tmp = a[i];

a[i] = a[MIN];

a[MIN] = tmp;

}

for (int i : a) {

System.out.print(i + " ");

}

System.out.println();

System.out.println("==============================================");

}

public void q2() {

System.out.println("2.数组{1,2,3,4,5,5,5,5,5,6,7,8,9}，去掉数组中的5 生成新的数组。");

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

int num=0;

int f=0;

for (int i:a)

{

/\*\*

\* 查找没有5的个数

\*/

if(i!=5){

num++;

}

}

/\*\*

\* 将除去5的数组放入新的数组中

\*/

int[] b= new int[num];

for (int i = 0; i < a.length; i++) {

if (a[i] != 5) {

b[f]=a[i];

f++;

}

}

for (int i : b) {

System.out.print(i + " ");

}

System.out.println();

System.out.println("==============================================");

}

public void q3() {

System.out.println("3.数字 a{1,3,5,7,9} b{2,4,6,8,10},将两个数组合并，并按照从小到大的顺序排序，生成新数组。");

int[] a = {1, 3, 5, 7, 9};

int[] b = {2, 4, 6, 8, 10};

int MIN, tmp;

int sum = a.length + b.length;

int[] c = new int[sum];

/\*\*

\* 将数组a放入数组c

\*/

for (int i = 0; i < a.length; i++) {

c[i] = a[i];

}

/\*\*

\* 将数组b放入数组a

\*/

for (int i = a.length; i < a.length + b.length; i++) {

c[i] = b[i - a.length];

}

/\*\*

\* 选择排序

\*/

for (int i = 0; i < c.length; i++) {

MIN = i;

for (int j = i; j < c.length; j++) {

if (c[j] < c[MIN]) {

MIN = j;

}

}

tmp = c[i];

c[i] = c[MIN];

c[MIN] = tmp;

}

for (int i : c) {

System.out.print(i + " ");

}

System.out.println();

System.out.println("==============================================");

}

public void q4() {

System.out.println("1.字符串：“Hello World!”，在字符串前面拼接自己的名字。");

String S1="Hello World!";

String S2="杨瑞颖";

/\*\*

\* 数组合并

\*/

System.out.println(S2.concat(S1));

System.out.println("==============================================");

}

public void q5() {

System.out.println("2.字符串“1,2,3,4,5,6,7”，根据“，”分开，将其转化为字符串数组，并在控制台打印。");

String S = "1,2,3,4,5,6,7";

String[] S1 = S.split(",");

for (String S2 : S1) {

System.out.print(S2+" ");

}

System.out.println();

System.out.println("==============================================");

}

public void q6() {

System.out.println("3.计算Hello World! 中出现了几次l。");

String S = "Hello World!";

int count = 0;

/\*\*

\* 查找"l"出现的次数

\*/

for (int i =0;i<S.length();i++) {

if (S.charAt(i) == 'l') {

count++;

}

}

System.out.println(count);

}

}

