ARRAYS AND STRINGS

1.

public class Demo11 {

public static void main(String args[]) {

StringBuilder sb1=new StringBuilder("Magisha");

String str1=sb1.toString();

String str2=str1; // True --> two strings pointing to the same object

// String str2=new String(str1); // False

// String str2=sb1.toString(); // False

// String str2="Magisha"; // False

System.***out***.println(str1==str2);

}

}

2.

class MaskCc{

public static String ccMask(String card) {

String str="XXXX-XXXX-XXXX-";

return str+card.substring(15,19);

// StringBuilder sb=new StringBuilder(str);

// sb.append(card,15,19); ---> This method also works

// return sb.toString();

}

}

public class Demo12 {

public static void main(String args[]) {

System.***out***.println(MaskCc.*ccMask*("1736-4861-1387-8759"));

}

}

3.

public class Demo13 {

public static void main(String args[]) {

String[] str=new String[2];

String[] str1=new String[2];

int id=0;

str[0]="Magi";

str[1]="Kumar";

for(id=0;id<str.length;id++)

{

str1[id]=str[id].concat(" Element "+id);

// str[id].concat("element"+id); ---> This doesn't work because strings in Java are immutable

}

for(id=0;id<str.length;id++)

{

System.***out***.println(str1[id]);

}

}

}

4.

class Person{

String name;

int age;

public Person(String name) {

//setName(name);

this.name=name;

}

public Person(String name,int age) {

// setAge(age);

this.age=age;

}

// public void setName(String name) {

// this.name=name;

// }

// public void setAge(int age) {

// this.age=age;

// }

// public String getName()

// {

// return name;

// }

// public int getAge()

// {

// return age;

// }

public String show() {

return name + " " + age;

}

}

public class Demo14 {

public static void main(String args[]) {

Person p1=new Person("Magisha");

Person p2=new Person("Magisha",21);

System.***out***.println(p1.show());

System.***out***.println(p2.show());

}

}

5.

public class Demo16 {

public static void main(String args[]) {

int[] num1=new int[3];

int[] num2= {1,2,3,4,5};

num1=num2;

for(int x : num1)

{

System.***out***.print(x+" ");

}

}

}

6.

class Planet{

String name;

int moons;

Planet(String name,int moons){

this.name=name;

this.moons=moons;

}

}

public class Demo18 {

public static void main(String args[]) {

Planet[] planets= {

new Planet("Mercury",0),

new Planet("Venus",0),

new Planet("Earth",1),

new Planet("Mars",2)

};

System.***out***.println(planets);

System.***out***.println(planets[2]);

System.***out***.println(planets[2].moons);

}

}