

Práctica 2

```

public class Alumno
{
    // Estos atributos no tienen valor en este momento.
    // Cada objeto se encargará de darle un valor específico
    // Por lo que se llaman variables de instancia
    String numeroDeCuenta;
    String nombre;
    int semestre;
    public Alumno()
    {
        System.out.println("Creando un objeto");
    }
    public Alumno(String numCuenta, String nom, int sem)
    {
        System.out.println("Creando un objeto");
        numeroDeCuenta = numCuenta;
        nombre = nom;
        semestre = sem;
    }
    public static void main(String args[])
    {
        Alumno alumno1 = new Alumno ("111111111","Juan",3);
        Alumno alumno2 = new Alumno ("222222222","Jorge",4);
        Alumno alumno3 = new Alumno ();
        System.out.println("numero de cuenta:" + alumno1.numeroDeCuenta);
        System.out.println("nombre:" + alumno1.nombre);
        System.out.println("semestre:" + alumno1.semestre);
        System.out.println("-----");
        System.out.println("numero de cuenta:" + alumno2.numeroDeCuenta);
        System.out.println("nombre:" + alumno2.nombre);
        System.out.println("semestre:" + alumno2.semestre);

        System.out.println("-----");
        System.out.println("numero de cuenta:" + alumno3.numeroDeCuenta);
        System.out.println("nombre:" + alumno3.nombre);
        System.out.println("semestre:" + alumno3.semestre);
    }
}

```

```

Sebastians-MacBook-Air% java Alumno
Creando un objeto
Creando un objeto
Creando un objeto
numero de cuenta:111111111
nombre:Juan
semestre:3
-----
numero de cuenta:222222222
nombre:Jorge
semestre:4
-----
numero de cuenta:null
nombre:null
semestre:0
Sebastians-MacBook-Air% █

```

```

public class ArrayOperations{
    public static void main(String[] args) {
        String[] names = new String[3];
        names[0] = "Blue Shirt";
        names[1] = "Red Shirt";
        names[2] = "Black Shirt";

        int[] numbers = {23, 34, 54};
        for (String name: names){
            System.out.println("Name: " + name);
        }
        for (int number: numbers){
            System.out.println("Number: " + number);
        }
    }
}

```

```

Last login: Mon Aug 22 22:07:19 on ttys004
Sebastians-MacBook-Air% cd Documents/Ingeniería/3er\ Semestre/OOP/practica_2
Sebastians-MacBook-Air% java ArrayOperations
Name: Blue Shirt
Name: Red Shirt
Name: Black Shirt
Number: 23
Number: 34
Number: 54
Sebastians-MacBook-Air% █

```

```

public class ForLoop{
    public static void main(String[] args) {
        for (int i = 0; i <= 10; i++){
            System.out.println("i: " + i);
        }
    }
}
~
~
~
~
~

```

```

Sebastians-MacBook-Air% java ForLoop
i: 0
i: 1
i: 2
i: 3
i: 4
i: 5
i: 6
i: 7
i: 8
i: 9
i: 10
Sebastians-MacBook-Air% █

```

```

public class IfElse{
    public static void main(String[] args) {
        long a = 1;
        long b = 2;
        if (a == b){
            System.out.println("True");
        }
        else{
            System.out.println("False");
        }
    }
}

```

```

Sebastians-MacBook-Air% java IfElse
False
Sebastians-MacBook-Air% █

```

```

public class Strings{
    public static void main(String[] args) {
        char letter = 'a';
        String string1 = "Hello ";
        String string2 = "World ";

        System.out.println("Output: " + string1 + string2 + letter);
    }
}

```

```

Sebastians-MacBook-Air% java Strings
Output: Hello World a
Sebastians-MacBook-Air% █

```

```

public class SwitchStringStatement{
    public static void main(String[] args) {
        String color = "Blue";
        String shirt = "Shirt";

        switch(color){
            case "Blue":
                shirt = "Blue " + "Shirt";
                break;
            case "Red":
                shirt = "Red " + "Shirt";
                break;
            default:
                shirt = "White" + "Shirt";
        }
        System.out.println("Shirt type: " + shirt);
    }
}

```

```

Sebastians-MacBook-Air% vim SwitchStringStatement
Sebastians-MacBook-Air% java SwitchStringStatement
Shirt type: Blue Shirt
Sebastians-MacBook-Air% █

```

```
public class WhileTest{
    public static void main(String[] args) {
        int x = 10;
        while (x < 20){
            System.out.println("Value of x: " + x);
            x++;
            System.out.println("\n");
        }
    }
}
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

```
[Sebastians-MacBook-Air% java WhileTest
Value of x: 10

Value of x: 11

Value of x: 12

Value of x: 13

Value of x: 14

Value of x: 15

Value of x: 16

Value of x: 17

Value of x: 18

Value of x: 19

Sebastians-MacBook-Air% █
```