



PRÁCTICA 02

Programación Orientada a Objetos

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Ejercicio 1.

```
C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona>java PrivateConstructor.java
Error: Could not find or load main class PrivateConstructor.java
Caused by: java.lang.ClassNotFoundException: PrivateConstructor.java

C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona>
```

```
POO-Claudia-tona > PrivateConstructorMain.java > ...
1  class PrivateConstructor {
2      public int _attrib = 0;
3      private PrivateConstructor(int sample) {
4          this._attrib = sample;
5      }
6  }
7
8  public class PrivateConstructorMain{
9      Run | Debug
10     public static void main(String[] args){
11         PrivateConstructor instance = new PrivateConstructor(sample:2);
12         System.out.println(instance._attrib);
13     }
14 }
15
```

Ejercicio 2.

```
C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona\ParametersConstructor>javac ParametersConstructorMain.java
C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona\ParametersConstructor>java ParametersConstructorMain
5
C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona\ParametersConstructor>
```

```
POO-Claudia-tona > ParametersConstructor > ParametersConstructorMain.java > ...
1  class ParametersConstructor {
2      public int _attrib = 0;
3      public ParametersConstructor(int parameter) {
4          this._attrib = parameter;
5      }
6  }
7
8
9  public class ParametersConstructorMain {
10     Run | Debug
11     public static void main(String[] args){
12         ParametersConstructor instance = new ParametersConstructor(parameter:5);
13         System.out.println(instance._attrib);
14     }
15 }
16
17
18
```

Ejercicio 3.

```
POO-Claudia-tona > AssignAttributesThis > J AssignAttributesThis.java > ...
1  class AuxClass {
2      private String _name = "none";
3      private double _salary = 0.00;
4
5      AuxClass(String name, double salary ){
6          this._name = name;
7          this._salary = salary;
8      }
9
10     public String getName(){
11         return this._name;
12     }
13     public double getSalary(){
14         return this._salary;
15     }
16 }
17
18 public class AssignAttributesThis {
19     Run | Debug
20     public static void main(String[] args){
21         AuxClass instance = new AuxClass(name:"Jorge", salary:4571.57);
22         System.out.println("Salary of " + instance.getName() + " is " + instance.getSalary());
23     }
24 }
25
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona\AssignAttributesThis>javac AssignAttributesThis.java
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona\AssignAttributesThis>java AssignAttributesThis
Salary of Jorge is 4571.57
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona\AssignAttributesThis>
```

Ejercicio 4.

```
POO-Claudia-tona > J AssignAttributes.java > ...
1  class AuxClass {
2      private String _name = "none";
3      private double _salary = 0.00;
4
5      AuxClass(String name, double salary ){
6          this._name = name;
7          this._salary = salary;
8      }
9
10     public String getName(){
11         return this._name;
12     }
13     public double getSalary(){
14         return this._salary;
15     }
16 }
17
18 public class AssignAttributes {
19     Run | Debug
20     public static void main(String[] args){
21         AuxClass instance = new AuxClass(name:"Jorge", salary:4571.57);
22         System.out.println("Salary of " + instance.getName() + " is " + instance.getSalary());
23     }
24 }
25
Command Prompt

C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona>javac AssignAttributes.java
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona>java AssignAttributes
Salary of Jorge is 4571.57
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona>
```

Práctica principal:

```

C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona>javac EstudianteMain.java

C:\Users\Vacintosh\Documents\projects\P00-Claudia-tona>java EstudianteMain
-----
Menu de opcion
1. Capturar alumnos
2. Mostrar alumnos
3. Cambiar calificacion
4. Salir
-----
Ingrese la opcion:

```

Opción 1

```

-----
Menu de opcion
1. Capturar alumnos
2. Mostrar alumnos
3. Cambiar calificacion
4. Salir
-----
Ingrese la opcion:
1
-----
1. Registrar alumnos
[5] Ingresar numero de control:

```

Opción 2

```

-----
2. Mostrar alumnos
0.- | 0 | martin | Espanol | 10 | Aprobado
1.- | 1 | joaquin | Matematicas | 10 | Aprobado
2.- | 13 | martin | Historia | 8 | Aprobado
3.- | 38 | martin | Literatura | 8 | Aprobado
4.- | 28 | martin | Derecho | 4 | Reprobado
5.- | 52 | jfdgh | dfgh | 2 | Reprobado
6.- | 52 | fgdh | dfgh | 2 | Reprobado
7.- | 235 | fdgh | dfgh | 564 | Aprobado
8.- | 46 | dfg | dfgh | 564 | Aprobado
9.- | 56 | dfgh | rt | 236 | Aprobado
-----
Menu de opcion
1. Capturar alumnos
2. Mostrar alumnos
3. Cambiar calificacion
4. Salir
-----
Ingrese la opcion:

```

Opción 3 (Modificar calificación):

```
-----
2. Mostrar alumnos
0.- | 0 | martin | Espanol | 10 | Aprobado
1.- | 1 | joaquin | Matematicas | 10 | Aprobado
2.- | 13 | martin | Historia | 8 | Aprobado
3.- | 38 | martin | Literatura | 8 | Aprobado
4.- | 28 | martin | Derecho | 4 | Reprobado
5.- | 52 | jfdgh | dfgh | 2 | Reprobado
6.- | 52 | fgdh | dfgh | 2 | Reprobado
7.- | 235 | fdgh | dfgh | 564 | Aprobado
8.- | 46 | dfg | dfgh | 564 | Aprobado
9.- | 56 | dfgh | rt | 236 | Aprobado
-----
Ingresa el numero de alumno a editar:
1
Ingresa la nueva calificacion:
10
Se ha registrado la calificacion
-----
Menu de opcion
1. Capturar alumnos
2. Mostrar alumnos
3. Cambiar calificacion
4. Salir
-----
Ingresa la opcion:
```