



SEMESTRE MAYO- AGOSTO

Name: Jefferson David Yépez Morán

NRC: 14575 A

Activity: HW07 – Class Construtor

```
run:
Hello Chickens from the simulator
My name is --> Jefferson David Yépez Morán
poop -->ec.edu.espe.chickenfarm.model.Poop$5b480cf9
egg -->ec.edu.espe.chickenfarm.model.Egg$2f4d3709
chicken -->Chicken(id=1, name=Lucy, color=White&Black, age=2, isMolting=true)
chicken2 -->Chicken(id=2, name=Juan, color=Yellow, age=1, isMolting=true)
Chicken id:
3
Chicken name:
Felipe
Chicken color:
Brown
Chicken age:
3
Chicken is molting:
true
Chicken id:
4
Chicken name:
Mateo
Chicken color:
White
Chicken age:
4
Chicken is molting:
True
Chicken id:
5
```

```
Chicken is molting:
True
Chicken id:
5
Chicken name:
Edison
Chicken color:
Black
Chicken age:
2
Chicken is molting:
True
Chicken id:
6
Chicken name:
Joe
Chicken color:
Brown
Chicken age:
3
Chicken is molting:
False
Chicken id:
7
Chicken name:
Zaith
Chicken color:
Yellow
Chicken age:
```



SEMESTRE MAYO- AGOSTO

The screenshot shows the output of the ChickenFarm application. The output is as follows:

```
True
Chicken id:
6
Chicken name:
Joe
Chicken color:
Brown
Chicken age:
3
Chicken is molting:
False
Chicken id:
7
Chicken name:
Zaith
Chicken color:
Yellow
Chicken age:
5
Chicken is molting:
False
Additional 5 chickens:
Chicken(id=3, name=Felipe, color=Brown, age=3, isMolting=true)
Chicken(id=4, name=Mateo, color=White, age=4, isMolting=true)
Chicken(id=5, name=Edison, color=Black, age=2, isMolting=true)
Chicken(id=6, name=Joe, color=Brown, age=3, isMolting=false)
Chicken(id=7, name=Zaith, color=Yellow, age=5, isMolting=false)
BUILD SUCCESSFUL (total time: 1 minute 29 seconds)
```

The screenshot shows the source code of the ChickenFarm application. The code is as follows:

```
package ec.edu.espe.chickenfarm.view;

import ec.edu.espe.chickenfarm.model.Chicken;
import ec.edu.espe.chickenfarm.model.Egg;
import ec.edu.espe.chickenfarm.model.Poop;
import java.util.Scanner;

/**
 * @author Jefferson David Yepez Moran, Bit Coder2, DCCO -ESPE
 */
public class ChickenFarmSystem {
    public static void main(String[] args) {
        Poop poop = new Poop();
        Egg egg = new Egg();
        Chicken chicken = new Chicken(id: 1, name: "Lucy", color: "White&Black", age: 2, isMolting: true);
        Chicken chicken2 = new Chicken(id: 2, name: "Juan", color: "Yellow", age: 1, isMolting: true);

        System.out.println("Hello Chickens from the simulator");
        System.out.println("My name is --> Jefferson David Yepez Moran");
        System.out.println("poop -->" + poop);
        System.out.println("egg -->" + egg);
        System.out.println("chicken -->" + chicken);
        System.out.println("chicken2 -->" + chicken2 );

        Chicken[] chickenArray = createChickens();

        System.out.println("Additional 5 chickens:");
        for (Chicken additionalChicken : chickenArray) {
```



SEMESTRE MAYO- AGOSTO

```
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59

System.out.println(x: "Additional 5 chickens:");
for (Chicken additionalChicken : chickenArray) {
    System.out.println(x: additionalChicken);
}

}

public static Chicken[] createChickens() {
    Chicken[] chickens = new Chicken[5];
    Scanner scanner = new Scanner(System.in);

    for (int i = 0; i < 5; i++) {
        System.out.println(x: "Chicken id: ");
        int id = scanner.nextInt();
        scanner.nextLine();
        System.out.println(x: "Chicken name: ");
        String name = scanner.nextLine();
        System.out.println(x: "Chicken color:");
        String color = scanner.nextLine();
        System.out.println(x: "Chicken age: ");
        int age = scanner.nextInt();
        System.out.println(x: "Chicken is molting: ");
        boolean isLayingEggs = scanner.nextBoolean();
        scanner.nextLine();
        chickens[i] = new Chicken(id, name, color, age, isMolting: isLayingEggs);
    }

    return chickens;
}
```