

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5   package ec.edu.espe.chickenfarm.view;
6
7   import ec.edu.espe.chickenfarm.model.Chicken;
8   import java.util.Scanner;
9
10  /**
11   *
12   * @author Sheylee Enriquez, Developer Bears, DCCO-ESPE
13   */
14  public class ChickenFarmSimulator {
15
16      public static void main(String[] args) {
17          System.out.println(x:"Sheylee Enriquez");
18          System.out.println(x:"Setters and getters");
19          System.out.println(x:"=====");
20
21          //declaration
22          //ADT variableName
23          Chicken chicken;
24
25          //initializing the chicken
26          //creating the instance
27          chicken = new Chicken();
28
29          System.out.println("chicken \t--> " + chicken);
30
31          chicken.setId(id:432);
32          chicken.setName(name:"Lucy");
33          chicken.setAge(age:4);
34          chicken.setColor(color:"White and Brown");
35          chicken.setIsMolting(isMolting:false);
36
37          System.out.println("chicken id \t--> " + chicken.getId());
```



```
75     id = scan.nextInt();
76     System.out.print( s:"Type chicken name: ");
77     name = scan.next();
78     System.out.print( s:"Type chicken age: ");
79     age = scan.nextInt();
80     System.out.print( s:"Type chicken color: ");
81     color = scan.next();
82     System.out.print( s:"Type chicken molting: ");
83     molting = scan.nextBoolean();
84
85     chicken.setId(id);
86     chicken.setName(name);
87     chicken.setAge(age);
88     chicken.setColor(color);
89     chicken.setIsMolting( isMolting: molting);
90
91     printChicken(chicken);
92
93     //Using constructors
94     chicken = new Chicken( id:3, name:"Lolita", color:"Black", age:2, isMolting:true);
95
96     printChicken(chicken);
97 }
98
99 private static void printChicken(Chicken chicken) {
100     System.out.println( x:"=====");
101     System.out.println("          Chicken " + chicken.getId() + " Information");
102     System.out.println( x:"****");
103     System.out.println("chicken id \t--> " + chicken.getId());
104     System.out.println("chicken name \t--> " + chicken.getName());
105     System.out.println("chicken age \t--> " + chicken.getAge());
106     System.out.println("chicken color \t--> " + chicken.getColor());
107     System.out.println("chicken molting \t--> " + chicken.isIsMolting());
108     System.out.println( x:"=====");
109     System.out.println( x:chicken);
110 }
111
```

```
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4   */
5  package ec.edu.espe.chickenfarm.model;
6
7  /**
8   *
9   * @author Sheylee Enriquez, Developer Bears, DCCO-ESPE
10  */
11  public class Chicken {
12
13      private int id;
14      private String name;
15      private String color;
16      private int age;
17      private boolean isMolting;
18
19      public Chicken() {
20          id = 0;
21          name = "";
22          color = "";
23          age = 0;
24          isMolting = false;
25      }
26
27      public Chicken(int id, String name, String color, int age, boolean isMolting) {
28          this.id = id;
29          this.name = name;
30          this.color = color;
31          this.age = age;
32          this.isMolting = isMolting;
33      }
34
35      public int getId() {
36          return id;
37      }
38  }
```



```

38
39 public void setId(int id) {
40     this.id = id;
41 }
42
43 /**
44  * @return the name
45  */
46 public String getName() {
47     return name;
48 }
49
50 /**
51  * @param name the name to set
52  */
53 public void setName(String name) {
54     this.name = name;
55 }
56
57 /**
58  * @return the color
59  */
60 public String getColor() {
61     return color;
62 }
63
64 /**
65  * @param color the color to set
66  */
67 public void setColor(String color) {
68     this.color = color;
69 }
70
71 /**
72  * @return the age
73  */
74 public int getAge() {

```

```
75     return age;
76 }
77
78 /**
79  * @param age the age to set
80  */
81 public void setAge(int age) {
82     this.age = age;
83 }
84
85 /**
86  * @return the isMolting
87  */
88 public boolean isIsMolting() {
89     return isMolting;
90 }
91
92 /**
93  * @param isMolting the isMolting to set
94  */
95 public void setIsMolting(boolean isMolting) {
96     this.isMolting = isMolting;
97 }
98
99 }
```