```java
 2      package ec.edu.espe.chickenfarm.view;
 3
 4      import ec.edu.espe.chickenfarm.model.Chicken;
        import ec.edu.espe.chickenfarm.model.Egg;
 6      import java.util.Scanner;
 7
 8      /**
 9       *
10       * @author Lindsay Barrionuevo, DeltaTeam, DCCO-ESPE
11       */
12      public class ChickenFarmSimulator {
13
14          public static void main(String[] args) {
15              System.out.println( x:"====================================");
16              System.out.println( x:"Lindsay Barrionuevo");
17              System.out.println( x:"Setters and getters");
18              System.out.println( x:"====================================");
19
20              //declaration
21              //ADT variableName
22              Chicken chicken;
23
24              //initializing the chicken
25              //creating the instance
26              chicken = new Chicken();
27
28              System.out.println("chicken \t--> " + chicken);
29
30              chicken.setId( id:432);
31              chicken.setName( name:"Lucy");
32              chicken.setAge( age:4);
33              chicken.setColor( color:"White and Brown");
34              chicken.setIsMolting( isMolting:false);
35
36              System.out.println("Chicken ID \t--> " + chicken.getId());
37              System.out.println("Chicken name \t--> " + chicken.getName());
38              System.out.println("Chicken age \t--> " + chicken.getAge());
```

```java
38          System.out.println("Chicken age \t--> " + chicken.getAge());
39          System.out.println("Chicken color \t--> " + chicken.getColor());
40          System.out.println("Chicken is molting \t--> " + chicken.isIsMolting());
41          System.out.println( x:"\t============================");
42          //datatype variable
43          int numberOfFeathers;
44          int id;
            String name = new String( original:"");
46          int age;
            String color = new String( original:"");
48          boolean molting;
49          //Declaration
50          //ADT vaiableName
51
52          numberOfFeathers = 5;
53          System.out.println("The number of feathers is --> " + numberOfFeathers);
54
55          chicken = new Chicken();
56          System.out.println("Chicken is of class --> " + chicken.getClass().getSimpleName());
57          System.out.println("Chicken --> " + chicken);
58          //Printnig whithout data
59          printChicken(chicken);
60
61          //Using setters
62          chicken.setId( id:1);
63          chicken.setName( name:"Maruja");
64          chicken.setAge( age:5);
65          chicken.setColor( color:"Brown");
66          chicken.setIsMolting( isMolting:true);
67
68          printChicken(chicken);
69          //Using data from Keyboard
70          Scanner scan = new Scanner( source:System.in);
71
72          System.out.print( s:"Type chicken id: ");
73          id = scan.nextInt();
74          System.out.print( s:"Type chicken name: ");
```

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

Output - ChickenFarmS (run)

```
run:
========================================
Lindsay Barrionuevo
Setters and getters
========================================
chicken        --> ec.edu.espe.chickenfarm.model.Chicken@27d6c5e0
Chicken ID     --> 432
Chicken name   --> Lucy
Chicken age    --> 4
Chicken color  --> White and Brown
Chicken is molting     --> false
           ==========================.
The number of feathers is --> 5
Chicken is of class --> Chicken
Chicken --> ec.edu.espe.chickenfarm.model.Chicken@b4c966a
==============================
           Chicken 0 Information
***
chicken id     --> 0
chicken name   -->
chicken age    --> 0
chicken color  -->
chicken molting        --> false
==============================
ec.edu.espe.chickenfarm.model.Chicken@b4c966a
==============================
           Chicken 1 Information
***
chicken id     --> 1
chicken name   --> Maruja
chicken age    --> 5
chicken color  --> Brown
chicken molting        --> true
==============================
ec.edu.espe.chickenfarm.model.Chicken@b4c966a
Type chicken id: 2
Type chicken name: Lunita
Type chicken age: 5
Type chicken color: black
Type chicken molting: false
==============================
```

Start Page | Chicken.java | ChickenFarmSimulator.java

Source | History

```java
2    package ec.edu.espe.chickenfarm.model;
3
4    /**
5     *
6     * @author Lindsay Barrionuevo, DeltaTeam, DCCO-ESPE
7     */
8    public class Chicken {
9
10       private int id;
11       private String name;
12       private String color;
13       private int age;
14       private boolean isMolting;
15
16       public Chicken() {
17           id = 0;
18           name = "";
19           color = "";
20           age = 0;
21           isMolting = false;
22       }
23
24       public Chicken(int id, String name, String color, int age, boolean isMolting) {
25           this.id = id;
26           this.name = name;
27           this.color = color;
28           this.age = age;
29           this.isMolting = isMolting;
30       }
31
32       public int getId() {
33           return id;
34       }
35
36       public void setId(int id) {
37           this.id = id;
38       }
```

```
chicken color   -->
chicken molting          --> false
===============================
ec.edu.espe.chickenfarm.model.Chicken@b4c966a
===============================
          Chicken 1 Information
***
chicken id      --> 1
chicken name    --> Maruja
chicken age     --> 5
chicken color   --> Brown
chicken molting          --> true
===============================
ec.edu.espe.chickenfarm.model.Chicken@b4c966a
Type chicken id: 2
Type chicken name: Lunita
Type chicken age: 5
Type chicken color: black
Type chicken molting: false
===============================
          Chicken 2 Information
***
chicken id      --> 2
chicken name    --> Lunita
chicken age     --> 5
chicken color   --> black
chicken molting          --> false
===============================
ec.edu.espe.chickenfarm.model.Chicken@b4c966a
===============================
          Chicken 3 Information
***
chicken id      --> 3
chicken name    --> Lolita
chicken age     --> 2
chicken color   --> Black
chicken molting          --> true
===============================
ec.edu.espe.chickenfarm.model.Chicken@300ffa5d
BUILD SUCCESSFUL (total time: 15 seconds)
```

```java
32      public int getId() {
33          return id;
34      }
35
36      public void setId(int id) {
37          this.id = id;
38      }
39
40      /**
41       * @return the name
42       */
43      public String getName() {
44          return name;
45      }
46
47      /**
48       * @param name the name to set
49       */
50      public void setName(String name) {
51          this.name = name;
52      }
53
54      /**
55       * @return the color
56       */
57      public String getColor() {
58          return color;
59      }
60
61      /**
62       * @param color the color to set
63       */
64      public void setColor(String color) {
65          this.color = color;
66      }
67
68      /**
```

12:26   INS