```
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      History
 1
   [-]
      * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
      * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 3
     package ec.edu.espe.chickenfarm.view;
   import ec.edu.espe.chickenfarm.model.Chicken;
     import java.util.Scanner;
   -
10
11
      * @author Sheylee Enriquez, Developer Bears, DCCO-ESPE
12
     */
13
     public class ChickenFarmSimulator {
14
15
         public static void main(String[] args) {
16
            System.out.println(x: "Sheylee Enriquez");
17
            System.out.println(x: "Setters and getters");
18
19
             System.out.println(x: "===========;");
20
             //declaration
21
            //ADT variableName
22
             Chicken chicken:
23
24
            //initializing the chicken
25
            //creating the instance
26
            chicken = new Chicken();
27
28
29
            System.out.println("chicken \t--> " + chicken);
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
```

```
Source
      History
              System.out.println("chicken name \t--> " + chicken.getName());
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
43
              //datatype variable
44
              int numberOfFeathers;
45
              int id;
46
 8
              String name = new String (original: "");
48
              int age;
 0
              String color = new String(original: "");
              boolean molting;
50
51
              numberOfFeathers = 5;
52
              System.out.println("The number of feathers is --> " + numberOfFeathers);
53
54
              chicken = new Chicken();
55
              System.out.println("Chicken is of class --> " + chicken.getClass().getSimpleName());
56
              System.out.println("Chicken --> " + chicken);
57
58
              //Printnig whithout data
59
              printChicken(chicken);
60
61
              //Using setters
62
63
              chicken.setId(id:1);
              chicken.setName(name: "Maruja");
64
              chicken.setAge(age: 5);
65
              chicken.setColor(color: "Brown");
66
67
              chicken.setIsMolting(isMolting:true);
68
              printChicken(chicken);
69
              //Using data from Keyboard
70
71
72
              Scanner scan = new Scanner (source: System.in);
73
```

System.out.print(s: "Type chicken id: ");

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74

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

```
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      */
      package ec.edu.espe.chickenfarm.model;
      1**
       * @author Sheylee Enriquez, Developer Bears, DCCO-ESPE
10
      public class Chicken {
11
12
          private int id;
13
          private String name;
14
          private String color;
15
          private int age;
16
          private boolean isMolting;
17
18
          public Chicken() {
19
              id = 0;
20
              name = "";
21
              color = "";
              age = 0;
23
              isMolting = false;
24
25
26
          public Chicken (int id, String name, String color, int age, boolean is Molting) {
27
              this.id = id;
28
29
              this.name = name;
              this.color = color;
30
              this.age = age;
31
              this.isMolting = isMolting;
32
33
34
          public int getId() {
35
              return id;
36
37
```

```
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Source
   38
              Ę.
                                           public void setId(int id) {
   39
                                                            this.id = id;
    40
    41
                                            1
    42
                                             1.88
    43
                                                * Greturn the name
    44
                                               */
    45
                                           public String getName() {
    46
    47
                                                           return name;
    48
    49
              -
                                            1 **
    50
                                               * @param name the name to set
    51
                                           */
    52
                                           public void setName (String name) {
    53
                                                            this.name = name;
    54
    55
    56
    57
              -
                                            / * *
    58
                                               * @return the color
                                             */
    59
                                           public String getColor() {
    60
                                                          return color;
    61
    62
    63
    64 -
                                             1 **
                                                * @param color the color to set
    65
                                               */
    66
   67
                                           public void setColor(String color) {
                                                            this.color = color;
    68
    69
   70
                                             1 * *
   71
   72
                                               * @return the age
   73
                                            nublic int getAge() /
```

```
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Source
       History
                 return age;
15
76
         }
77
          /**
78
   -
79
           * @param age the age to set
80
           */
          public void setAge(int age) {
81
   82
             this.age = age;
83
84
          188
85
           * @return the isMolting
86
87
          public boolean isIsMolting() {
88
89
             return isMolting;
90
91
          1 * *
   -
92
93
           * @param isMolting the isMolting to set
94
95
   -
          public void setIsMolting(boolean isMolting) {
96
              this.isMolting = isMolting;
97
98
99
```