



Universidad de las Fuerzas Armadas

CLASS NAME: OBJECT ORIENTED
PROGRAMMING
LASCANO

TEACHER: EDISON

NRC: 14575

HOMEWORK #: 9

TOPIC: DATA PERSISTENCE WITH JSON

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```
117 private static void showJson(Chicken[] chickens) {
118 }
119
120 private static void saveJson(Chicken[] chickens) {
121     Gson gson = new GsonBuilder()
122         .setPrettyPrinting()
123         .registerTypeAdapter(LocalDate.class, new LocalDateAdapter())
124         .create();
125
126     try (PrintWriter writer = new PrintWriter(new FileWriter(fileName + "chickens.json"))) {
127         for (Chicken c : chickens) {
128             if (c != null) {
129                 String json = gson.toJson(c);
130                 writer.println(json);
131             }
132             System.out.println("Chickens saved to JSON file.");
133         } catch (IOException e) {
134             System.err.println("Error saving to JSON: " + e.getMessage());
135         }
136     }
137 }
138
139 public static void main(String[] args) {
140     Chicken[] chickens = new Chicken[5];
141     for (int i = 0; i < chickens.length; i++) {
142         chickens[i] = new Chicken(i, "Chicken " + (i + 1), "White", "Black", 1, true);
143     }
144     showJson(chickens);
145     saveJson(chickens);
146 }
147
```

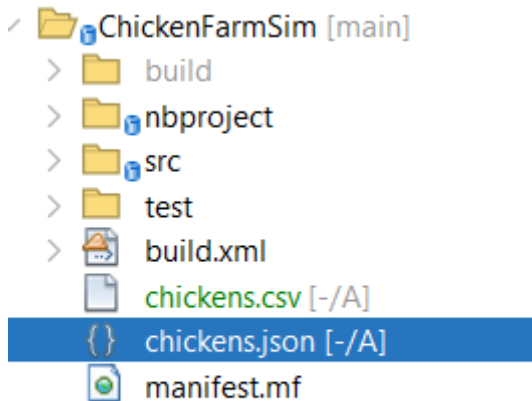
Output

ChickenFarmSim (run) x ChickenFarmSim (run) #2 x

5. Save JSON
6. Exit
2

Details of the chickens:
Chicken(id=1, name=Lacy, color=White&Black, age=2, isMolting=true)
Hello Chickens from the Simulator
My name is --> David Cepeda

Menu
Select an option:
1. Enter a chicken



File Edit Selection View Go Run Terminal Help

Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

chickens.json 1 X

C:\Users\David\Documents> ESPE2311-OOPSW14575 > hw > cepedad > Unit 1 > HW07ClassConstructors > WS04-ChickenFarmSim > ChickenFarmSim > chickens.json > ...

```
1 {
2   "id": 1,
3   "name": "Lucy",
4   "color": "Black\u0026white",
5   "birthDate": "2021-10-19",
6   "isMolting": true
7 }
8
9 {
10  "id": 2,
11  "name": "Yui",
12  "color": "Black",
13  "birthDate": "2018-12-18",
14  "isMolting": false
15 }
16
17 {
18  "id": 3,
19  "name": "Hilda",
20  "color": "Brown",
21  "birthDate": "2020-06-23",
22  "isMolting": true
23 }
24
25 {
26  "id": 4,
27  "name": "Nami",
28  "color": "Black",
29  "birthDate": "2019-12-15",
30  "isMolting": false
31 }
32
33 {
34  "id": 5,
35  "name": "Paula",
36  "color": "White",
37  "birthDate": "2021-04-13",
38  "isMolting": true
39 }
```

Ln 1, Col 1 Spaces: 2 UTF-8 LF {} JSON

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Buscar

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30/11/2023