



# ESPE

UNIVERSIDAD DE LAS FUERZAS ARMADAS  
INNOVACIÓN PARA LA EXCELENCIA



## WORKSHOP #12

**NRC:** 14575

**CLASS NAME:** OBJECT ORIENTED PROGRAMMING

**INSTRUCTOR:** EDISON LASCANO

**TOPIC:** JSON DOCUMENT

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**DATE:** 02/12/2023

```

1 package ec.edu.espe.dino.view;
2
3 import ec.edu.espe.dino.controller.Read;
4 import ec.edu.espe.dino.model.Dino;
5 import ec.edu.espe.dino.model.JurassicPark;
6 import ec.edu.espe.dino.model.Menu;
7 import java.util.ArrayList;
8
9 /*
10  * @author Rony Cedeño, INTERBYTE, DCCO-ESPE_14575
11  */
12 public class DinoPark {
13
14     public static void main(String[] args) {
15         Dino dinos;
16         ArrayList<Dino> dinos1 = new ArrayList<>();
17         Menu printMenu = new Menu();
18         Read readData = new Read();
19
20         boolean exit = true;
21         while (exit == true) {
22             int option = printMenu.printMenu();
23             switch (option) {
24                 case 1:
25                     System.out.println("-----Jurassic Park-----");
26                     Dino dino1 = new Dino(id: 12, name: "Robin", color: "Green", age: 3);
27                     Dino dino2 = new Dino(id: 13, name: "Raul", color: "Blue", age: 2);
28                     Dino dino3 = new Dino(id: 14, name: "Mario", color: "Black", age: 4);
29                     dinos1.add(dino1);

```

```

1 package ec.edu.espe.dino.model;
2
3 /*
4  * @author Rony Cedeño, INTERBYTE, DCCO ESPE_14575
5  */
6 public class Dino {
7
8     private int id;
9     private String name;
10    private String color;
11    private int age;
12
13    @Override
14    public String toString() {
15        return "Dino{" + "id=" + id + ", name=" + name + ", color=" + color + ", age=" + age + "}";
16    }
17
18    public Dino(int id, String name, String color, int age) {
19        this.id = id;
20        this.name = name;
21        this.color = color;
22        this.age = age;
23    }
24
25    public int getId() {
26        return id;
27    }
28
29    public void setId(int id) {

```

```

1 package ec.edu.espe.dino.model;
2
3  /*
4   * @author Rony Cedeño, INTERBYTE, DCCO-ESPE_14575
5   */
6  import java.util.ArrayList;
7
8  public class JurassicPark {
9
10     private int id;
11     private ArrayList<Dino> dinos;
12
13     @Override
14     public String toString() {
15         return "JurassicPark{" + "id=" + id + ", dinos=" + dinos + "}";
16     }
17
18     public JurassicPark(int id, ArrayList<Dino> dinos) {
19         this.id = id;
20         this.dinos = dinos;
21     }
22
23     public int getId() {
24         return id;
25     }
26
27     public void setId(int id) {
28         this.id = id;
29     }
30 }

```

```

1 package ec.edu.espe.dino.model;
2
3  /*
4   * @author Rony Cedeño, INTERBYTE, DCCO-ESPE_14575
5   */
6  import java.util.Scanner;
7
8  public class Menu {
9
10     int option;
11
12     public int printMenu() {
13         Scanner keyboard = new Scanner(System.in);
14         System.out.println("-----Menu-----");
15         System.out.println("1. Read Data");
16         System.out.println("2. Exit");
17         option = keyboard.nextInt();
18         return option;
19     }
20 }
21

```

Output x

ESPE2311-OOPSW14575 - C:\Users\jagui\Desktop\ESPE2

run:  
-----Menu-----  
1. Read Data  
2. Exit  
-----Jurassic Park-----  
<----Dino List---->  
{  
 "id": 1,  
 "dinos": [  
 {  
 "id": 12,  
 "name": "Robin",  
 "color": "Green",  
 "age": 3  
 },  
 {  
 "id": 13,  
 "name": "Raul",  
 "color": "Blue",  
 "age": 2  
 },  
 {  
 "id": 14,  
 "name": "Mario",  
 "color": "Black",  
 "age": 4  
 }  
 ]  
}  
-----Menu-----  
1. Read Data

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

chickenCoops.json dinoList.json x

C: > Users > jagui > Desktop > ESPE2311-OOPSW14575 > ESPE2311-OOPSW14575 > w

1 {  
2 "id": 1,  
3 "dinos": [  
4 {  
5 "id": 12,  
6 "name": "Robin",  
7 "color": "Green",  
8 "age": 3  
9 },  
10 {  
11 "id": 13,  
12 "name": "Raul",  
13 "color": "Blue",  
14 "age": 2  
15 },  
16 {  
17 "id": 14,  
18 "name": "Mario",  
19 "color": "Black",  
20 "age": 4  
21 }  
22 ]