

UNIVERSIDAD DE LAS FUERZAS ARMADAS ESPE



CLASS NAME: OBJECT ORIENTED

PROGRAMMING

TEACHER: EDISON LASCANO

NRC:14575

WORKSHOP #21

TOPIC: Exam Inspection

NAME: CARLOS ÑATO

Inspector: Carlos Ñato

1) class modeling 7/10 pts.

Q33(main) 2/2

Vehicle class: 1/1, attributes: 1/1, method: 1/1

FileManager 2/2 dependencies 0/3

2) Running program 10/10 pts.

Run the program e input data, and see if the program has a menu

data input 5/5 menu option 5/5

3) Printing/counting/deleting objects from JSON File 10/10 pts.

print, count, delete 10/10

4) Saving JSON data 10/10pts.

screenshot of Json File: data are added 10/10

5) Code Quality 10/10 pts.

TOTAL:47/50 pts.

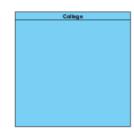
Evidence

1) class modeling

8:02

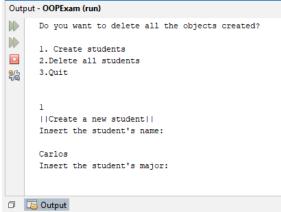








2) Running program



3) Printing/counting/deleting objects from JSON File

```
Do you want to delete all the objects created?

1. Create students
2. Delete all students
3. Quit

2
students deleted
BUILD SUCCESSFUL (total time: 15 minutes 11 seconds
```

4) Saving JSON data

```
"id": "e03dca66-db39-4837-8333-5f139edbbb78",
"name": "Carlos Nato",
"major": "Software engineering"

.

"id": "ebd7fe8e-78a4-4635-8df7-afff8baafe26",
"name": "Carlos Nato",
"major": "Software engineering"

.

"id": "/cda1497-852a-44aa-beb8-e2a5fac47b95",
"name": "Pablo Domingues",
"major": "8iotechnology engineering"

.

"id": "97e9b4ee-5573-4978-9fe1-823427784218",
"name": "Juan Granda",
"major": "Softwarw engineering"

.

"id": "91bdbaa7-47bb-48f5-97fc-5cace4827258",
"name": "Sebastian Criollo",
"major": "Civil engineering"

}
```

5) Code Quality

```
public class FileBandler {

public static <T> ArrayList<T> readFile(String fileAdress, Type type) {

File theFile = new File(problems fileAdress);
ArrayList<T> objectList = new ArrayList<>();

if (theFile.exists()) {

   try (FileBeader fileBeader = new FileBeader(sileBane: fileAdress)) {
      Geon geon = new GeonBuilder().setPrettyPrinting().create();

      objectList = geon.fromJeon(jeen: fileBeader, new!! type);
    } catch (FileBotFoundException e) {
      System.err.println(. "Error in creating the File Beader Object");
    } catch (IOException e) {
      throw new RuntimeException(crease e);
    }
} sless {
      writeFile(fileAdress, objectList);
    }
} return objectList;
}
```