**Java Basics Module Final Exercise**

I want to make a system to track my university classes, teachers and students. Each Teacher has a name, and a salary calculated by the following rules:

* For the full time teachers: base salary (attribute) multiplied by 110% of its experience years.
* For part time teachers: base salary multiplied for its active hours per week.

The university includes a list of teachers, a list of students and a list of classes. Each class has a name, an assigned classroom, a list of students and a teacher. Every student has his name, id, and age.

***The program should:***

1. Initialize minimum 2 different teachers of each type (full time, part time).
2. Initialize minimum 6 different students
3. Initialize minimum 4 different classes including its teacher , students and other relevant data
4. Print a menú including the following options:
   1. Print all the professors with its data
   2. Print all the classes and a submenu to select a class in order to print the class data including its teacher and students (Function to extract the student’s class).
   3. Create a new student and add it to an existing class
   4. Create a new class and add a teacher, students and its relevant data
   5. List all the classes in which a given student is included (hint: search by id)
   6. Exit

**Rules**:

* The project must be uploaded to a github new repository, which should be public. (No git flow is required, just create a repository and upload the exercise).
* The project repository link must be sent to the Java mentors (Carol, Felipe) before the due date.
* The project is due on friday march 27, 11:59PM.
* The project should include at least:
* Access modifiers
* Encapsulation
* Inheritance
* Polymorphism
* Constructors
* Static attributes/methods
* Main class
* Reading and printing (it’s not necessary to do it from console)