**Student Project**

Today's project consists of a set of tasks to help you learn the class syntax. Open a new *.p*y file and code all the following tasks in that file. Let's begin with the first task.

**Task 1**: Create a class named User. The class should:

1 .have two methods, get\_name and age.

2. The two methods should contain only a pass statement inside them.

3. The get\_name method should contain a self parameter.

4. The age method should contain a self and a current\_year parameter.

Solution: See the attached *task1.py* file in the *Resources* of the next lecture.

**Task 2**: Add an \_\_init\_\_ method to the User class. The method should have:

1. three parameters, self, name, and birthyear.

2. name and birthyear should also be instance variables.

Solution:  See the attached *task2.p*y file in the *Resources* of the next lecture.

**Task 3**: Implement/code the User.age method so the method returns the age of the user given the self.birthyear instance variable and the current\_year parameters.

Solution:  See the attached *task3.p*y file in the *Resources*of the next lecture.

**Task 4:**Let us suppose the current year is 2023.

1. Create a User instance for John, whose birth year is 1999.

2. Call the age method for that instance and print out the output.

You should get 24 as output.

Solution: See the attached *task4.p*y file in the *Resources*of the next lecture.

**Task 5**: Implement/code the User.get\_name method, so the method returns the capitalized version of the user's name (e.g., JOHN). Note that the name is stored in the instance variable. Also, call the method for the instance you created in Task 4.

Solution: See the attached *task5.p*y file in the *Resources*of the next lecture.