

# FA26B Advanced Programming

## Assignment 6 - Student Class

Create a class for a student. Name the module (file) `student_info` and the class `Student`. The class should require three arguments for instantiation - first name, last name, and ID number. As part of the class, provide attributes for courses (a list), current status (active, etc.), year (freshman, sophomore, etc.), and three others of your choosing. Create getters for the instantiation values (full name, ID#) and getters and setters for each of the other attributes. Once your class is complete, write a test script that creates three instances of your student class.

I will test your class as follows:

```
from student_info import Student

student_1 = Student('john', 'doe', 12345)
student_1.set_status('Active')
student_1.set_year('Senior')
student_1.set_courses('Math1', 'Python2', 'Biology')
full_name = student_1.get_full_name()
student_id = student_1.get_ID()
etc.
```

Notice that when setting courses I am passing comma-separated strings as arguments. The setter for courses should accept a variable number of arguments and the getter should return a list.

- Your test file should create three students and set all attributes for each student.
- You should also include tests for the getters for the instantiation arguments.
- You don't need to test for invalid user input in your test file, but you should be checking for it in your class.
- Include a str function for the class that prints to screen all information about the student. Format this in a readable output that includes indicators of what the information is.
  - Ex. First name: John  
Last name: Doe  
etc.

Submit both your class file and test file to your student folder.