

**ISYS 350, Spring 22, Assignment 6, Due Date: Wednesday, 4/13/22**

**Part 1:** Create a Python module, `studentClass`, and define a **Student** class in the `studentClass` module that has following properties: `studentID`, `studentName`, `major`, `admittedDate` ( saved as a string with this format: `yyyy-mm-dd` ), and `GPA`. And define two methods with the `Student` class:

- a. `academicStatus`: This function takes `GPA` as input and return student's academic status according to this rule:
  - if `GPA < 2.0`: Poor
  - elif: `GPA < 3.0`: Fair
  - else: Good
- b. `estimatedGraduationdate`: This function takes student's admitted date and add 915 days to be the estimated graduation date, and return the estimated graduation date as a string with this format: `mm/dd/yyyy`.

**Part 2:** Create a Python module named `useClass`. This module will import the `studentClass` and define three student objects with these property values:

StudentID	studentName	major	admittedDate	GPA
S101	Peter	ISYS	2019-08-20	2.5
S106	Paul	FIN	2020-03-15	3.0
S103	Mary	ISYS	2020-05-15	2.7

Add the three student objects to a list named `studentList`. Then use the list of student objects to produce a report to show student name, major, academic status and estimated graduation date:

```
Name Major Status Estimated Grad Date
-----
Peter ISYS Fair 02/20/2022
Paul FIN Good 09/16/2022
Mary ISYS Fair 11/16/2022
```

Submit the source code of `studentClass` module, `useStudent` module, and the report.

**Two Extra Credits:** At the end of report, show the average GPA of all students:

```
Name Major Status Estimated Grad Date
-----
Peter ISYS Fair 02/20/2022
Paul FIN Good 09/16/2022
Mary ISYS Fair 11/16/2022
```

The average GPA is: 2.73