Project 2:

Write programs to implement a basic course registration system for students. The system should base on object-oriented programming and the basic functions include:

- 1. Add new registrants in the system;
- 2. Record the courses of each student selected;
- 3. Generate the schedule table of selected courses for each student after course registration finished;
- 4. Modify the saved course information for each registrant student;
- 5. Course management function supports to add students and grades to each course;
- 6. Support registrants to print their course-schedule table and query grades and credits;
- 7. Class-definitions should store in a module file, basic class.py;
- 8. Provide a main.py to support the running of system.

To implement the system, an alternative class-scheme includes:

- 1. Course class, describing each course's information, and attributes like as (course id, course name, department, credits, time, location);
- 2. CourseManagement class, describing the course's information, registrants and their grades; for each course object, it can add students, set students' grades, return its registrants information, their grades and average grades, etc.;
- 3. Person class, describing the basic information of each person object, and attributes like as (last name, first name, gender, birthday)
- 4. Student class, describing the information of each student object, and can inherit Person; student class have attributes (student id, last name, first name, gender, birthday, department, selected courses); student object can get the information of selected courses; get his/her courses schedule table; modify selected courses and save the list of selected courses; get the grades and credits of the selected courses; get GPA scores, etc.

The system functions may like as follows:

############	Welcome to our course registration system!	#################
#######################################		
#############	1. Course registration for new user	################
############	2. Modify user course registration	################
#############	3. Course management	################
#############	4. Print selected course schedule	################
############	5. Query grades and credits	################
############	6. Exit	##############
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