

Object Oriented Programming 2

Mid-Term Assignment

Fall 20-21

Suppose you are a developer in Kuratoli Software Solutions. Your company is developing a University Management System. You have been assigned to design the course offering module of a department. Where each department offer multiple courses. Courses have weekly teaching hour. Courses have multiple/Single section. Each section will be taken by a Faculty. A faculty can take multiple sections of same/different courses but not more than 21 hours in a Week. Now your task is to develop this scenario.

Hint:

- At first identify the classes from this scenario.
- Then identify the relationships between them.
- Find out required fields and properties.
- Develop the methods.

After developing the scenario, one should be able to

- Create departments
- Create course and add them to department
- Create section and add them to course
- Create faculty and add them as a teacher in the section. If the faculty has already 21 hours of weekly load it will restrict to add more.
- View section details and faculty from course object.
- View section details from teacher object.

Submission Deadline and Procedure:

- Submission will be in github. [Create a new repository named "Assignment Mid Fall 20-21"]
- Deadline 19.11.2020 11:00 PM

If I find duplicate codes all duplicated coders will receive detention.