



class Person

```

{
    name;
    email;

```

```

    public void createPublicNote(){}
    public void createPrivateNote(){}
}

```

class Student

```

{
    isA Person;
    int cellNum;
    Course[] courseList;

```

```
Grade[] gradeList;  
int studentNum;  
Question[] answeredQuestions;  
Grade[] questionMarks;  
Note[] readingList;
```

```
private void answerQuestions(){  
}  
private void commentOnNotes(){}  
}
```

```
class Professor  
{  
    isA Person;  
    Course[] coursesTaught;  
    private void createQuestions(){}  
    private void createPrivateQuestions(){}  
    private void createTournament(){  
    }  
    private void addCourse(){}  
  
    private void modifyClassList(){}  
  
}
```

```
class Course  
{  
    courseCode;  
    courseTitle;
```

```
courseSemester;  
courseDate;  
courseDescription;  
courseStatus;  
Question[] questionList;  
Note[] noteList;  
Tournament[] tournamentList;  
* -- 1 Professor;  
1..* -- 1 Student;  
1 -- * Tournament;  
1 -- 1 Grade;  
}
```

```
class Tournament  
{  
    Student[] tournamentLeaderboard;  
    Question[] tournamentQuestion;  
    startDateAndTime;  
    int numRounds;  
    int maxAttemptsPerQuestion;  
    int roundLength;  
    double participationWeight;  
    double correctnessWeight;  
    double incorrectAnswerWeight;  
}
```

```
class Post  
{  
    postTag;
```

```
boolean isPrivate;  
author;  
String[] comments;  
Course associatedCourse;  
* -- 1 Professor;  
}
```

```
class Note  
{  
    isA Post;  
noteTitle;  
    noteTag;  
    * -- 1 Student;  
}
```

```
class Question  
{  
    isA Post;  
String[] possibleAnswers;  
    correctAnswer;  
    double attemptionWeight;  
    double correctnessWeight;  
    questionTag;  
    String questionStatus;  
    questionDueDate;  
    questionText;  
    * -- * QuestionCategory;  
}
```

```
class QuestionCategory
{
    questionType;
    * -- * QuestionCategory subCategory
    ;
}
```

```
class Grade
{
    double gradePercentage;
    * -- 1 Student;
}
```