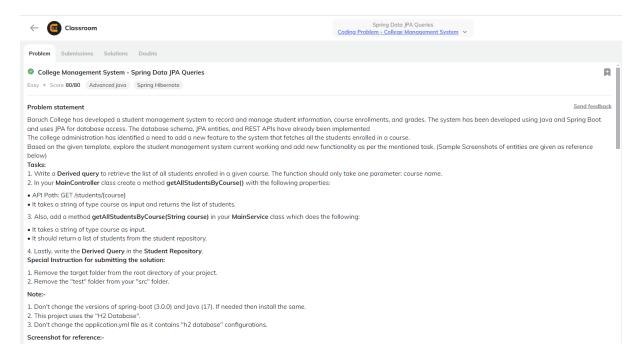
Coding Problem - College Management System I

Problem Statement



Screenshots for references

```
@Entity
public class Student {

    private Integer id;
    private String name;

    @ManyToMany
    //Using HashSet to avoid duplicate entries.
    private Set<Courses> courses = new HashSet<>();
    @OneToMany(cascade = CascadeType.ALL, mappedBy="Student")
    private Set<Grade> grades = new HashSet<>();
}
```

```
@Entity
public class Course {
    private Integer id;
    private String name;

    @ManyToMany(mappedBy = "courses", cascade = CascadeType.ALL)
    private Set<Student> students = new HashSet<>();
    @OneToMany(cascade = CascadeType.ALL, mappedBy="course")
    private List<Grade> grades;
}
```

```
@Entity
public class Grade {
    private Integer id;
    private double marks;

    @ManyToOne
    @JoinColumn(name="student_id", nullable=false)
    private Student student;

    @ManyToOne(cascade = CascadeType.ALL)
    @JoinColumn(name="course_id", nullable=false)
    private Course course;
}
```