INT204 Server-side Programming II 64130500108

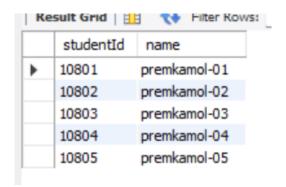
1. Create data for Student, Subject and StudentGrade then write all objects to table in database

Entities in server

```
@Getter
@Setter
@GTable(name = "students")
public class Student {
    @Id
    @Column(name = "studentId", nullable = false, length = 10)
    private Integer id;
    @Column(name = "name", nullable = false, length = 100)
    private String name;
    @JsonIgnore
    @OneToMany(mappedBy = "StudentGrade")
    private Set<StudentGrade> studentGrades = new LinkedHashSet<>();
}
```

```
@Getter
@Setter
@Grable(name = "subjects")
public class Subject {

    @Id
    @Column(name = "subjectId",nullable = false,length = 10)
    private Integer id;
    @Column(name = "studentCode",nullable = false,length = 100)
    private String code;
    @Column(name = "title",nullable = false,length = 100)
    private String title;
    @Column(name = "credit",nullable = false,length = 100)
    private Double credit;
}
```





1	1			
	gradeId	subject	student	grade
•	9	204	10805	1
	8	201	10805	2.5
	7	102	10805	2.5
	6	101	10805	3
	5	103	10801	2
	4	203	10801	0
	3	201	10801	3.5
	2	102	10801	3.5
	1	102	10801	3

2. List all student with grade, output format for each student as below

repository

```
2 usages
public interface StudentRepositories extends JpaRepository<Student, Integer> {
}
```

service

```
@Service
public class StudentService {
    1 usage
    @Autowired
    private StudentRepositories repositories;

1 usage
    public List<Student> getAllStudent() {
    return repositories.findAll();
    }
}
```

Controller

3. Delete specified Student

- * return 400 Can't remove student (grade not empty) * when student have grade info in StudentGrade.
- * return 404 Student does not exist * when specific student id does not exist.