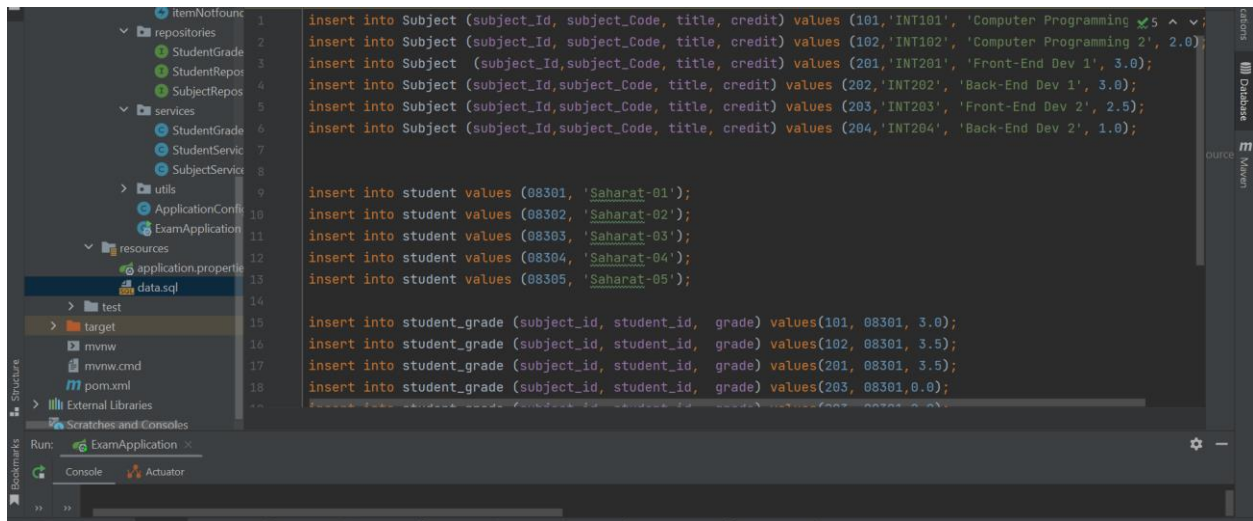
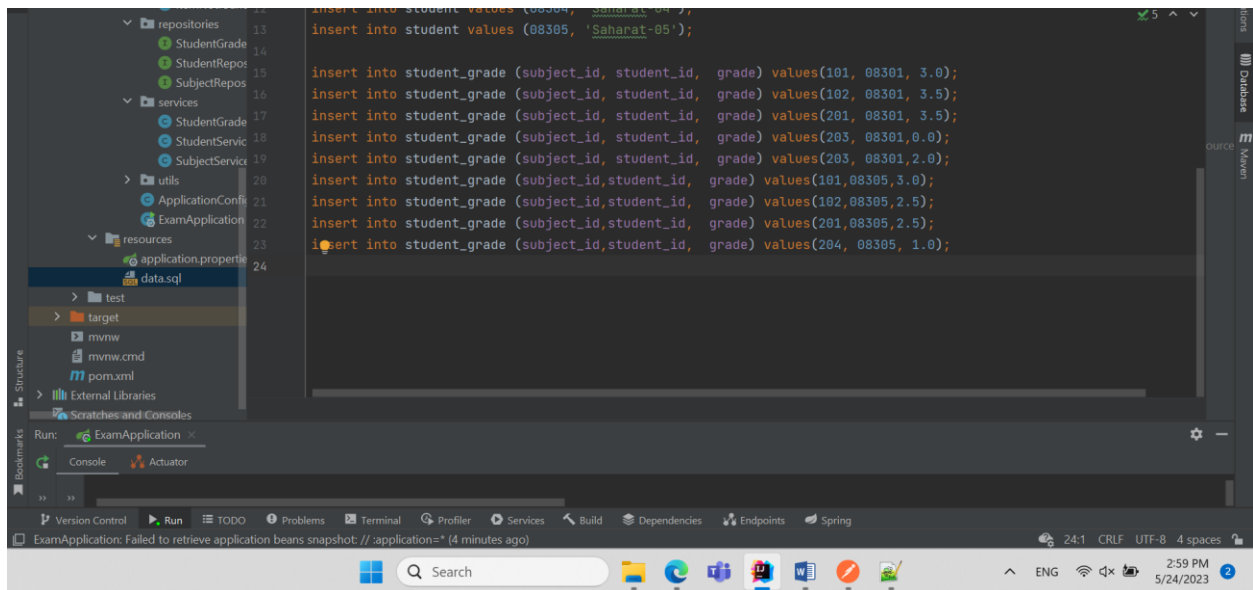


Test Database



```
1 insert into Subject (subject_Id, subject_Code, title, credit) values (101,'INT101', 'Computer Programming 1', 5.0);
2 insert into Subject (subject_Id, subject_Code, title, credit) values (102,'INT102', 'Computer Programming 2', 2.0);
3 insert into Subject (subject_Id,subject_Code, title, credit) values (201,'INT201', 'Front-End Dev 1', 3.0);
4 insert into Subject (subject_Id,subject_Code, title, credit) values (202,'INT202', 'Back-End Dev 1', 3.0);
5 insert into Subject (subject_Id,subject_Code, title, credit) values (203,'INT203', 'Front-End Dev 2', 2.5);
6 insert into Subject (subject_Id,subject_Code, title, credit) values (204,'INT204', 'Back-End Dev 2', 1.0);
7
8
9
10 insert into student values (08301, 'Saharat-01');
11 insert into student values (08302, 'Saharat-02');
12 insert into student values (08303, 'Saharat-03');
13 insert into student values (08304, 'Saharat-04');
14 insert into student values (08305, 'Saharat-05');
15
16
17 insert into student_grade (subject_id, student_id, grade) values(101, 08301, 3.0);
18 insert into student_grade (subject_id, student_id, grade) values(102, 08301, 3.5);
19 insert into student_grade (subject_id, student_id, grade) values(201, 08301, 3.5);
20 insert into student_grade (subject_id, student_id, grade) values(203, 08301,0.0);
21
```



```
13 insert into student values (08304, 'Saharat-04');
14 insert into student values (08305, 'Saharat-05');
15
16
17 insert into student_grade (subject_id, student_id, grade) values(101, 08301, 3.0);
18 insert into student_grade (subject_id, student_id, grade) values(102, 08301, 3.5);
19 insert into student_grade (subject_id, student_id, grade) values(201, 08301, 3.5);
20 insert into student_grade (subject_id, student_id, grade) values(203, 08301,0.0);
21 insert into student_grade (subject_id, student_id, grade) values(203, 08301,2.0);
22 insert into student_grade (subject_id,student_id, grade) values(101,08305,3.0);
23 insert into student_grade (subject_id,student_id, grade) values(102,08305,2.5);
24 insert into student_grade (subject_id,student_id, grade) values(201,08305,2.5);
25 insert into student_grade (subject_id,student_id, grade) values(204, 08305, 1.0);
26
```

ExamApplication: Failed to retrieve application beans snapshot: // :application=* (4 minutes ago)

localhost:8080/h2-console/login.do?sessionId=0b497e357c6036100531732d0605a5ff

Auto commit: ☒ Max rows: 1000 Auto complete: Off Auto select: On

jdbc:h2:mem:test

- STUDENT
 - STUDENT_ID
 - NAME
 - Indexes
- STUDENT_GRADE
 - SUBJECT
 - CREDIT
 - SUBJECT_ID
 - SUBJECT_CODE
 - TITLE
 - Indexes
- INFORMATION_SCHEMA
- Users

H2 2.1.214 (2022-06-13)

Run Run Selected Auto complete Clear SQL statement:

```
Insert into student_grade (subject_id, student_id, grade) values(203, 08301,2.0);
Insert into student_grade (subject_id,student_id, grade) values(101,08305,3.0);
Insert into student_grade (subject_id,student_id, grade) values(102,08305,2.5);
Insert into student_grade (subject_id,student_id, grade) values(201,08305,2.5);
Insert into student_grade (subject_id,student_id, grade) values(204, 08305, 2.5);
```

select * from student;

STUDENT_ID	NAME
8301	Saharat-01
8302	Saharat-02
8303	Saharat-03
8304	Saharat-04
8305	Saharat-05

(5 rows, 2 ms)

Edit

localhost:8080/h2-console/login.do?sessionId=87bc9d4e0ec7c9238a9a40dccb90f4db

Auto commit: ☒ Max rows: 1000 Auto complete: Off Auto select: On

jdbc:h2:mem:test

- STUDENT
 - STUDENT_ID
 - NAME
 - Indexes
- STUDENT_GRADE
 - SUBJECT
 - CREDIT
 - SUBJECT_ID
 - SUBJECT_CODE
 - TITLE
 - Indexes
- INFORMATION_SCHEMA
- Users

H2 2.1.214 (2022-06-13)

Run Run Selected Auto complete Clear SQL statement:

```
SELECT * FROM STUDENT_GRADE;
SELECT * FROM subject;
```

```
Insert into Subject (subject_id,subject_code,title,credit) values (101,'INT101', 'Computer Programming I', 3.0);
Insert into Subject (subject_id,subject_code,title,credit) values (102,'INT102','Computer Programming 2', 2.0);
Insert into Subject (subject_id,subject_code, title, credit) values (201,'INT102', 'Front-End Dev 1', 3.0);
Insert into Subject (subject_id,subject_code, title, credit) values (202,'INT103', 'Back-End Dev 1', 3.0);
Insert into Subject (subject_id,subject_code, title, credit) values (203,'INT104', 'Front-End Dev 2', 2.5);
Insert into Subject (subject_id,subject_code, title, credit) values (204,'INT105', 'Back-End Dev 2', 1.0);
```

SELECT * FROM STUDENT_GRADE ;

GRADE	GRADE_ID	STUDENT_ID	SUBJECT_ID
3.0	37	8301	101
3.5	38	8301	102
3.5	39	8301	201
0.0	40	8301	203
2.0	41	8301	203
3.0	42	8305	101
2.5	43	8305	102
2.5	44	8305	201
2.5	45	8305	204

(9 rows, 0 ms)

Edit

localhost:8080/h2-console/login.do?jsessionid=87bc9d4e0ec7c9238a9a40dcb90f4db

Max rows: 1000Auto completeOffAuto selectOn

jdbc:h2:mem:test

STUDENT

STUDENT_ID

NAME

Indexes

STUDENT_GRADE

SUBJECT

INFORMATION_SCHEMA

Users

H2 2.1.214 (2022-06-13)

RunRun SelectedAuto completeClearSQL statement:

SELECT * FROM STUDENT_GRADE;
SELECT * FROM subject;
select * from student;

insert into Subject (subject_Id,subject_Code,title,credit) values (101,'INT101','Computer Programming I', 3.0);
insert into Subject (subject_Id,subject_Code,title,credit) values (102,'INT102','Computer Programming 2', 2.0);
insert into Subject (subject_Id,subject_Code, title, credit) values (201,'INT102','Front-End Dev 1', 3.0);
insert into Subject (subject_Id,subject_Code, title, credit) values (202,'INT103','Back-End Dev 1', 3.0);
insert into Subject (subject_Id,subject_Code, title, credit) values (203,'INT104','Front-End Dev 2', 2.5);

SELECT * FROM subject ;

CREDIT	SUBJECT_ID	SUBJECT_CODE	TITLE
3.0	101	INT101	Computer Programming I
2.0	102	INT102	Computer Programming 2
3.0	201	INT102	Front-End Dev 1
3.0	202	INT103	Back-End Dev 1
2.5	203	INT104	Front-End Dev 2
1.0	204	INT105	Back-End Dev 2

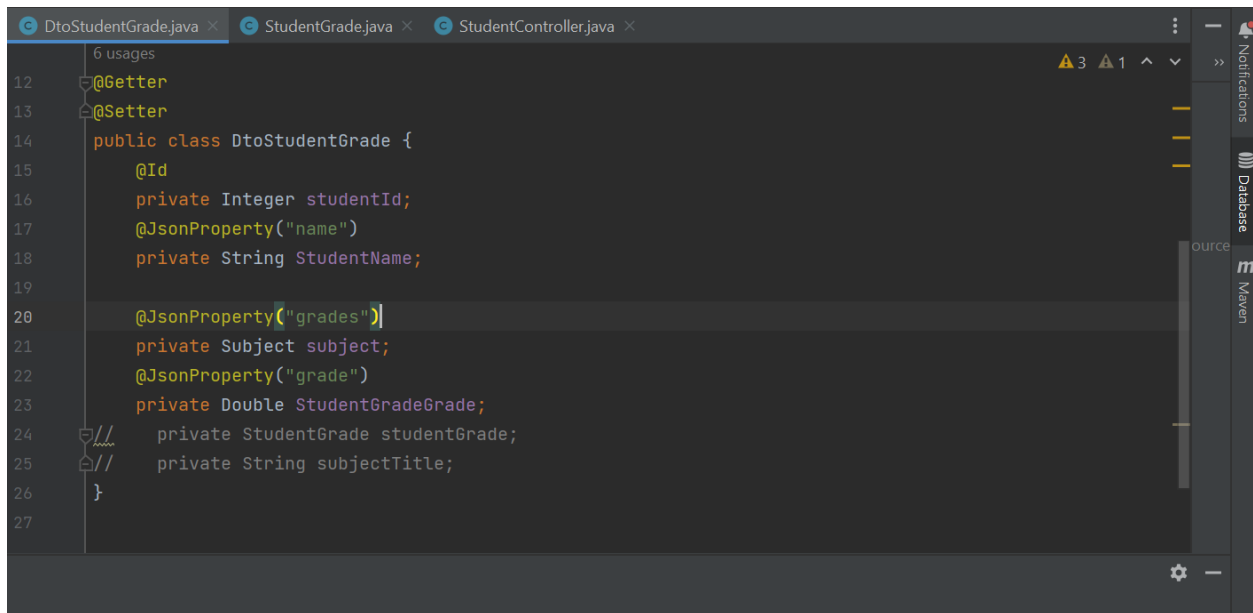
(6 rows, 0 ms)

Edit

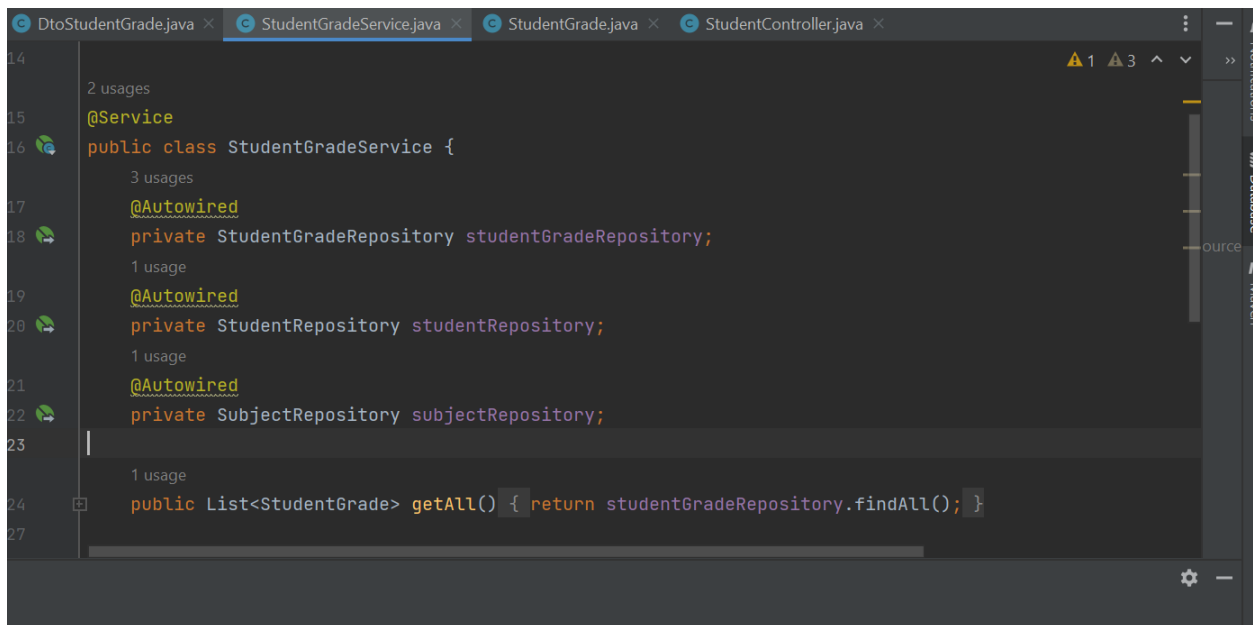
Search

ENG1:45 PM5/24/2023

2. List of all students and grades

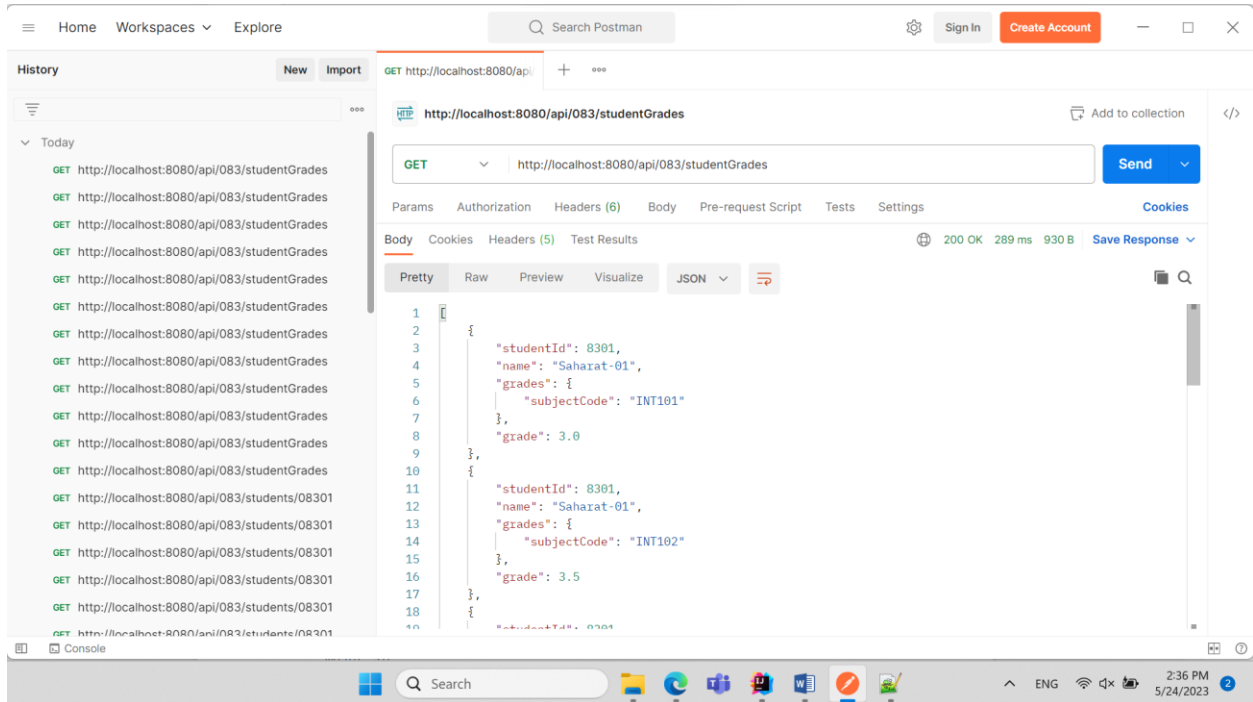


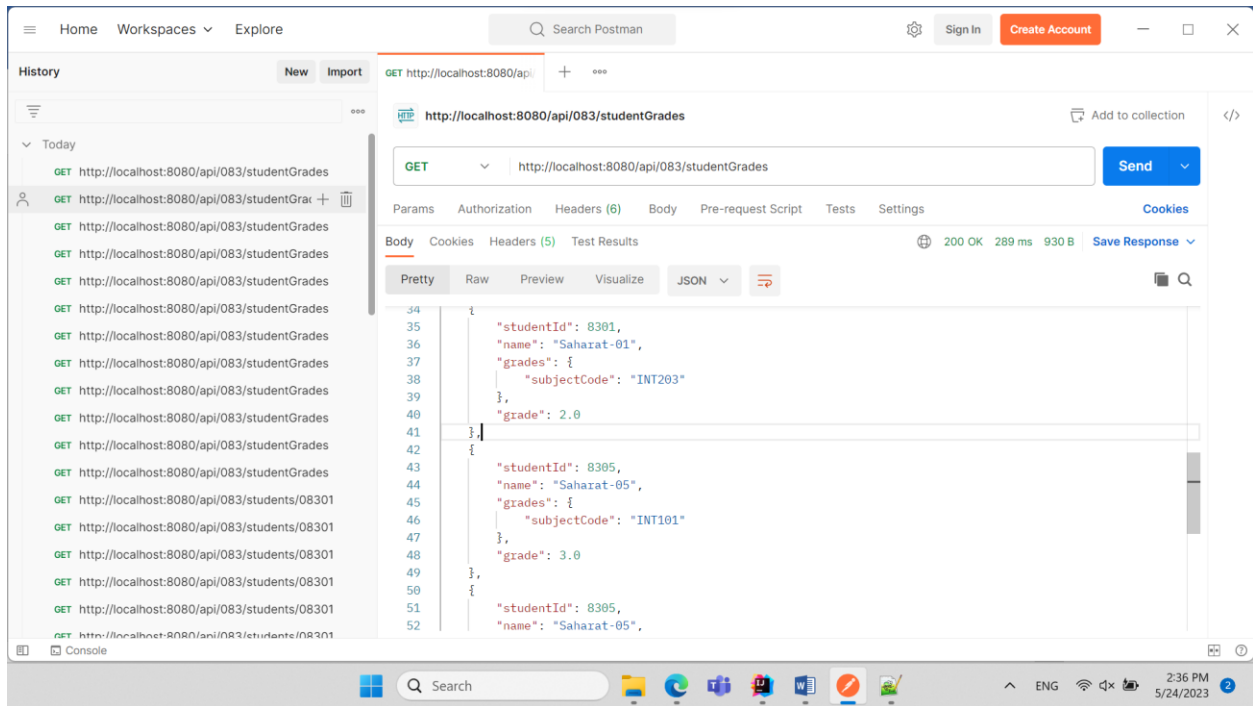
```
12 6 usages
13 @Getter
14 @Setter
15 public class DtoStudentGrade {
16     @Id
17     private Integer studentId;
18     @JsonProperty("name")
19     private String StudentName;
20
21     @JsonProperty("grades")
22     private Subject subject;
23     @JsonProperty("grade")
24     private Double StudentGradeGrade;
25     // private StudentGrade studentGrade;
26     // private String subjectTitle;
27 }
```

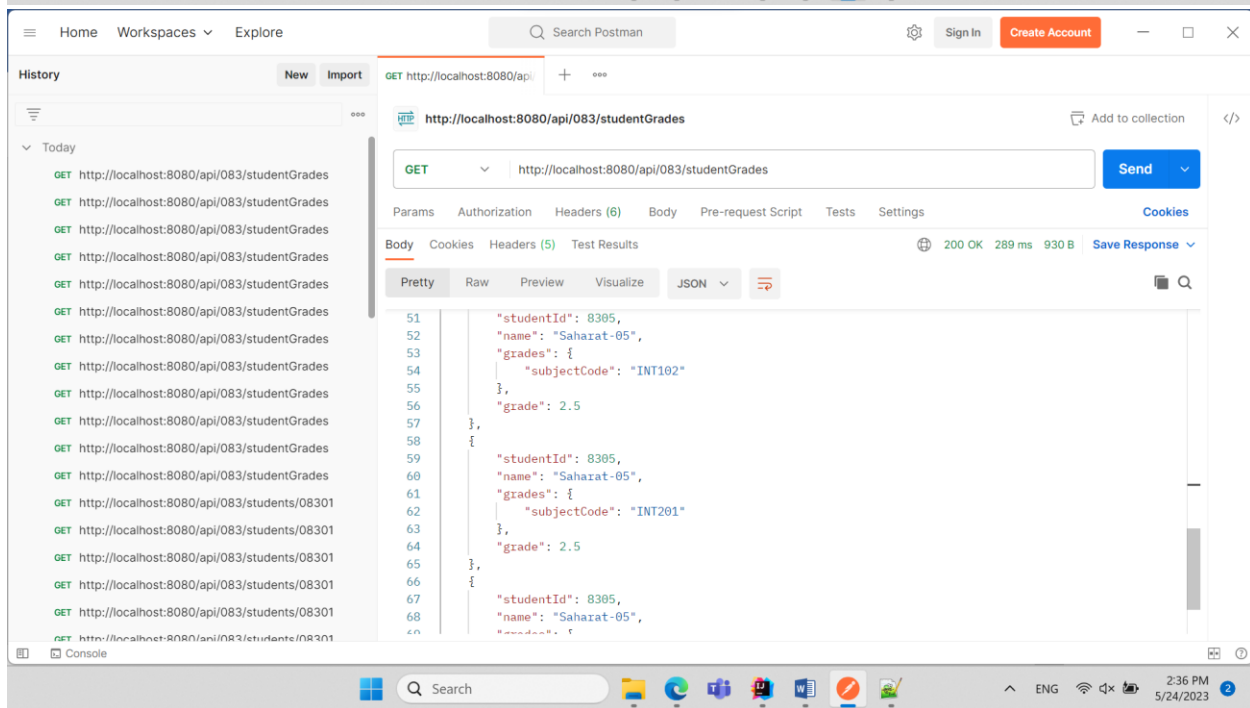


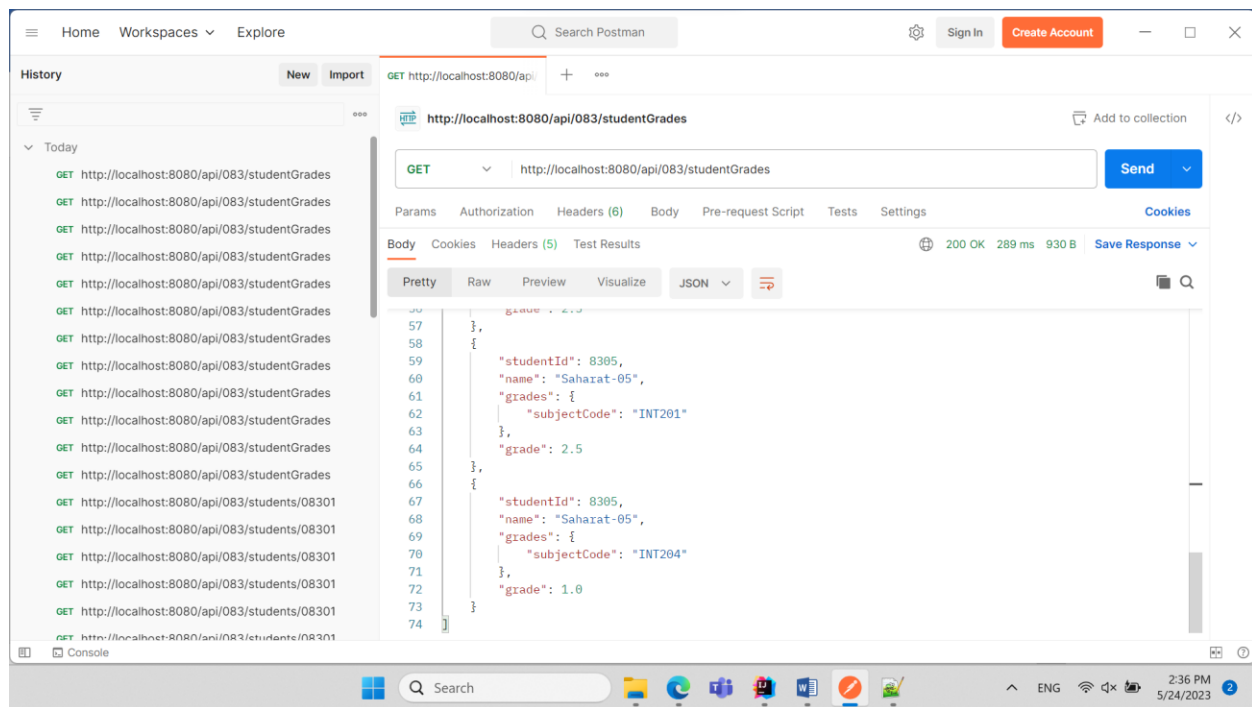
```
14 2 usages
15 @Service
16 public class StudentGradeService {
17     3 usages
18     @Autowired
19     private StudentGradeRepository studentGradeRepository;
20     1 usage
21     @Autowired
22     private StudentRepository studentRepository;
23     1 usage
24     @Autowired
25     private SubjectRepository subjectRepository;
26
27     1 usage
28     public List<StudentGrade> getAll() { return studentGradeRepository.findAll(); }
```

```
DtoStudentGrade.java x StudentGradeService.java x StudentGradeController.java x StudentGrade.java x StudentController.java x
14 public class StudentGradeController {
15     2 usages
16     @Autowired
17     private StudentGradeService studentGradeService;
18     1 usage
19     @Autowired
20     private ListMapper listMapper;
21     1 usage
22     @Autowired
23     private ModelMapper modelMapper;
24     @GetMapping("")
25     public List<DtoStudentGrade> getAllStudentGrade(){
26         return listMapper.mapList(studentGradeService.getAll(), DtoStudentGrade.class, modelMapper);
27     }
28 }
```









3.Delete

