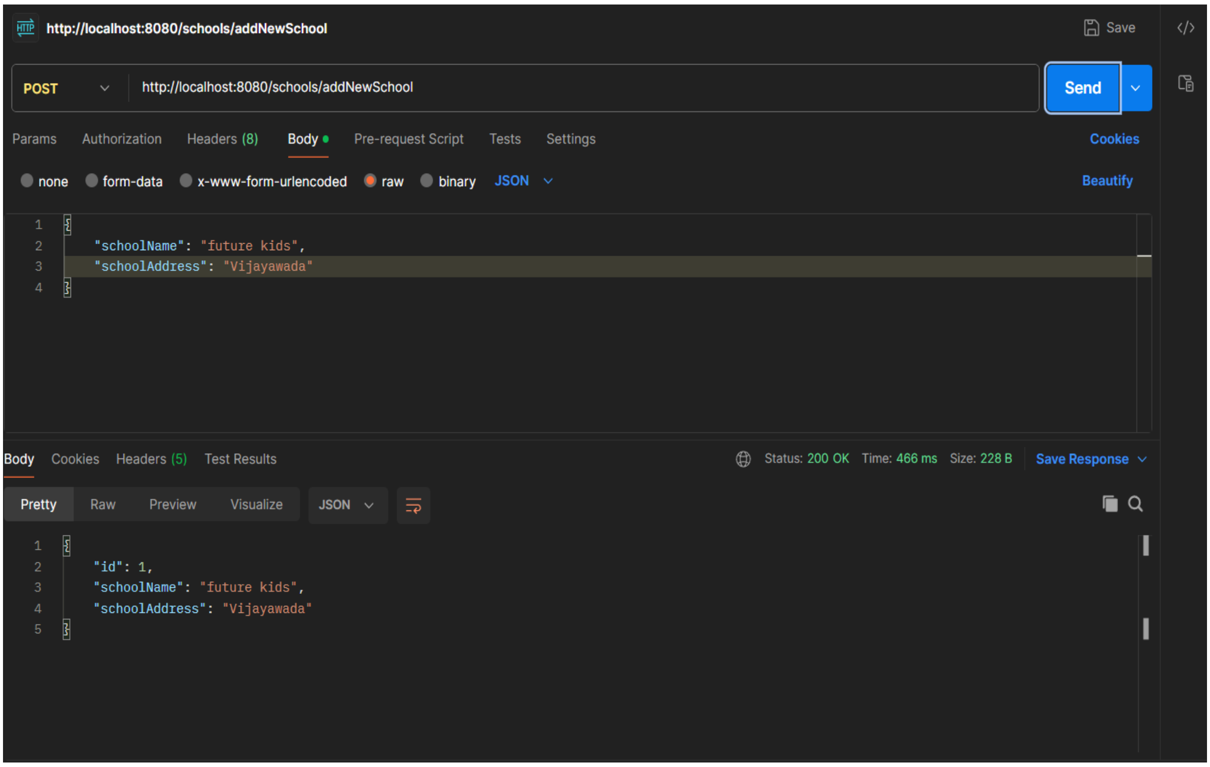
SCHOOL APPLICATION ASSIGNMENT OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

1. Created a school name “Future kids” with id=1.



http://localhost:8080/schools/addNewSchool

POST http://localhost:8080/schools/addNewSchool

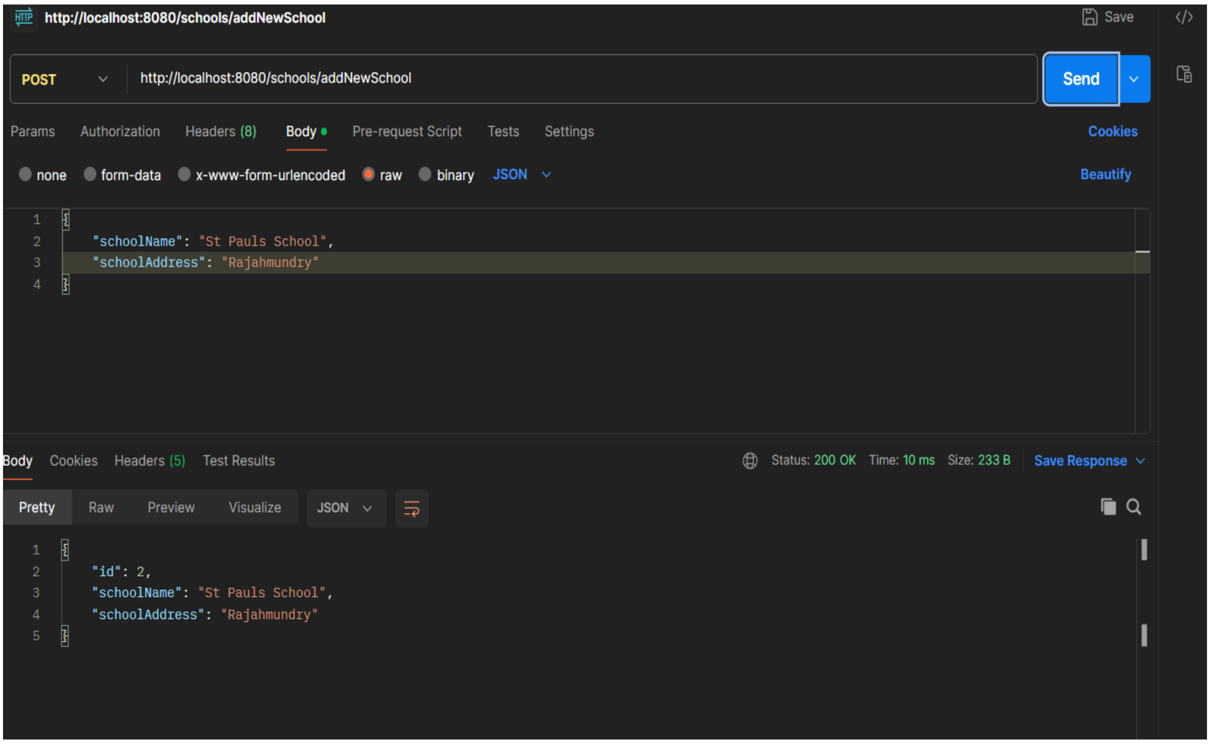
Body: raw JSON

```
{
    "schoolName": "future kids",
    "schoolAddress": "Vijayawada"
}
```

Status: 200 OK Time: 466 ms Size: 228 B

```
{
    "id": 1,
    "schoolName": "future kids",
    "schoolAddress": "Vijayawada"
}
```

2. Created a school name “St Pauls School” with id=2.



http://localhost:8080/schools/addNewSchool

POST http://localhost:8080/schools/addNewSchool

Body: raw JSON

```
{
    "schoolName": "St Pauls School",
    "schoolAddress": "Rajahmundry"
}
```

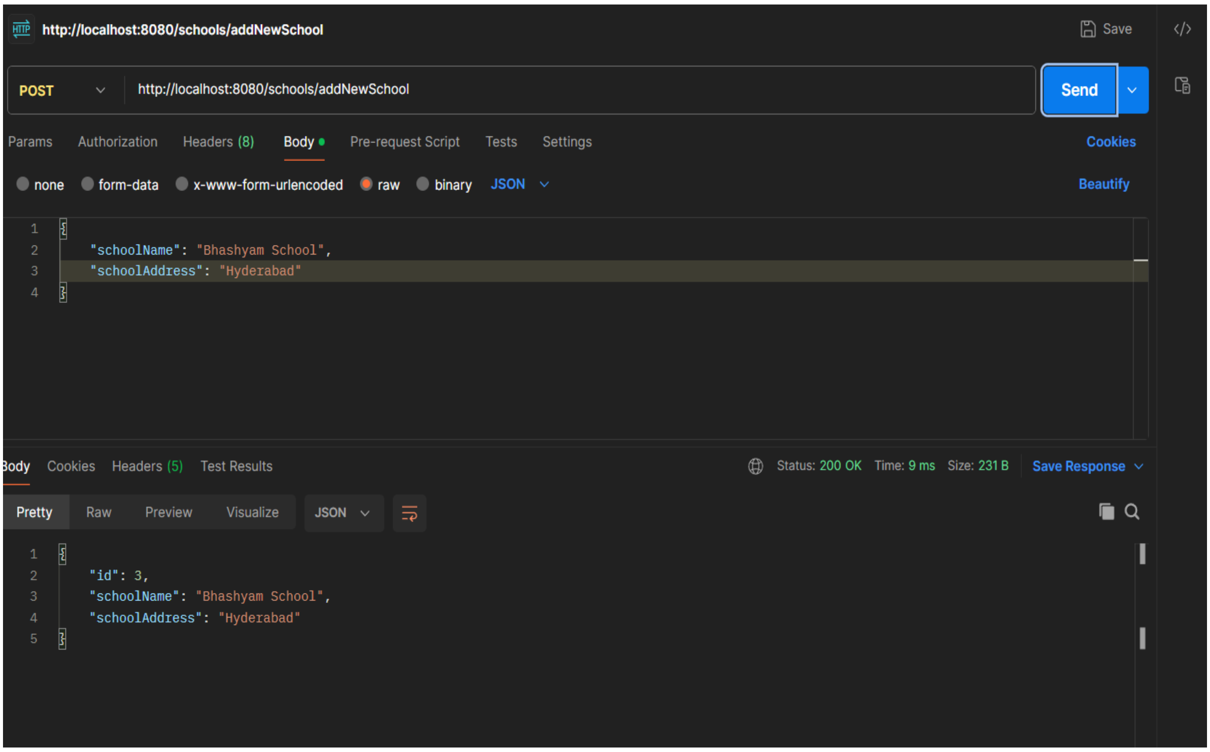
Status: 200 OK Time: 10 ms Size: 233 B

```
{
    "id": 2,
    "schoolName": "St Pauls School",
    "schoolAddress": "Rajahmundry"
}
```

SCHOOL APPLICATION ASSIGNMENT OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

3. Created a school name “Bhashyam School” with id=3.



http://localhost:8080/schools/addNewSchool

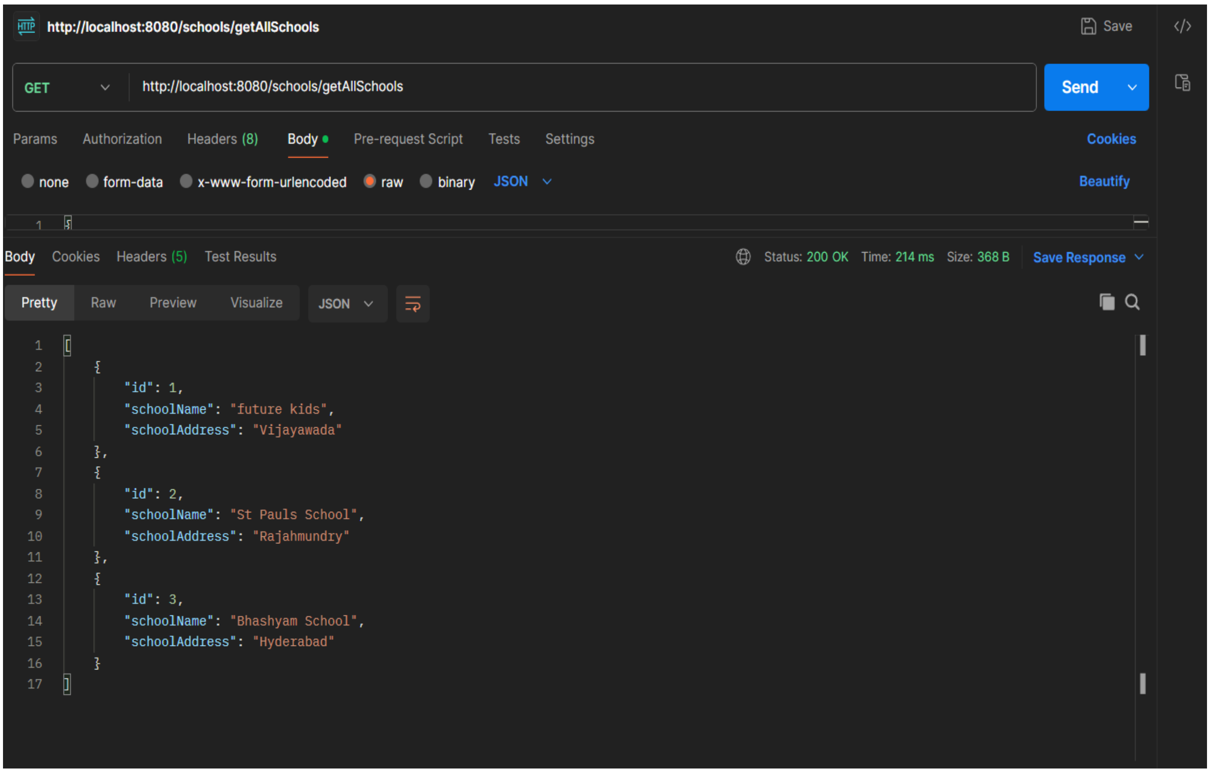
POST http://localhost:8080/schools/addNewSchool

```
{
    "schoolName": "Bhashyam School",
    "schoolAddress": "Hyderabad"
}
```

Status: 200 OK Time: 9 ms Size: 231 B

```
{
    "id": 3,
    "schoolName": "Bhashyam School",
    "schoolAddress": "Hyderabad"
}
```

4. Fetching all schools data from database



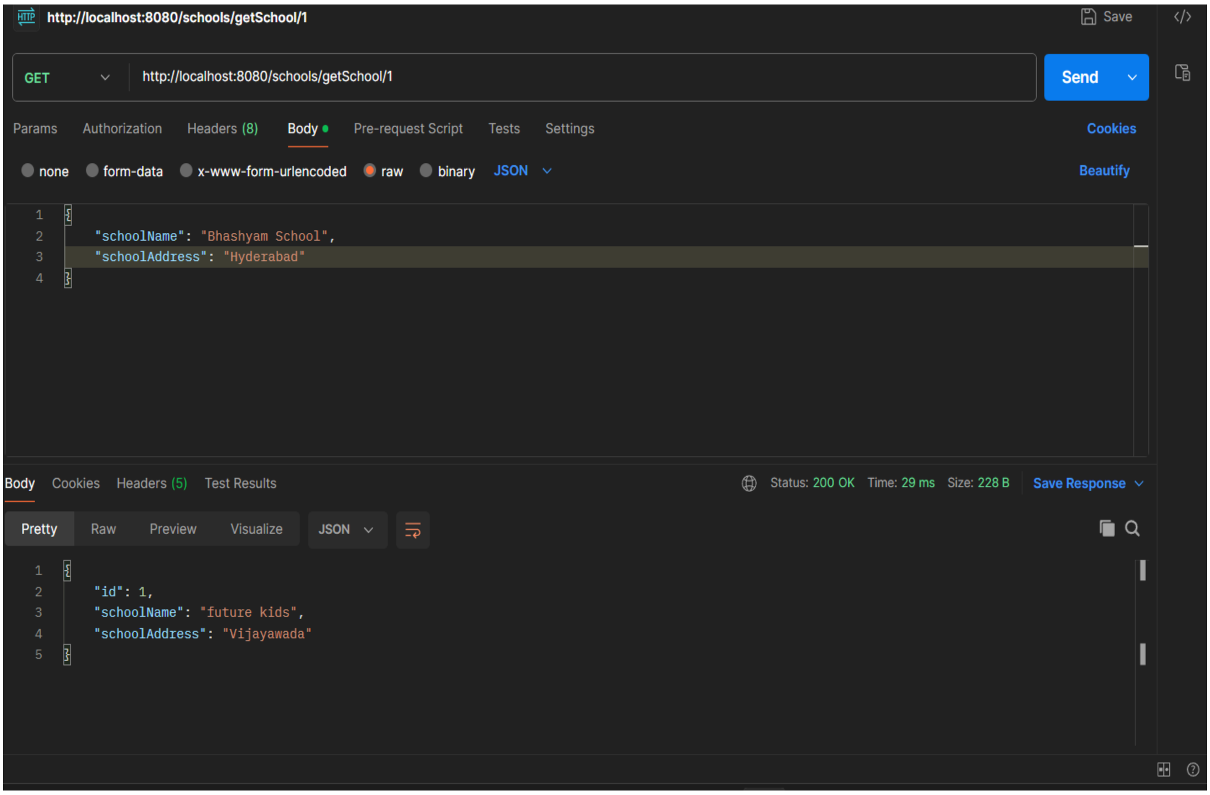
http://localhost:8080/schools/getAllSchools

GET http://localhost:8080/schools/getAllSchools

Status: 200 OK Time: 214 ms Size: 368 B

```
[
    {
        "id": 1,
        "schoolName": "future kids",
        "schoolAddress": "Vijayawada"
    },
    {
        "id": 2,
        "schoolName": "St Pauls School",
        "schoolAddress": "Rajahmundry"
    },
    {
        "id": 3,
        "schoolName": "Bhashyam School",
        "schoolAddress": "Hyderabad"
    }
]
```

5. Retrieving school by their id number



GET http://localhost:8080/schools/getSchool/1

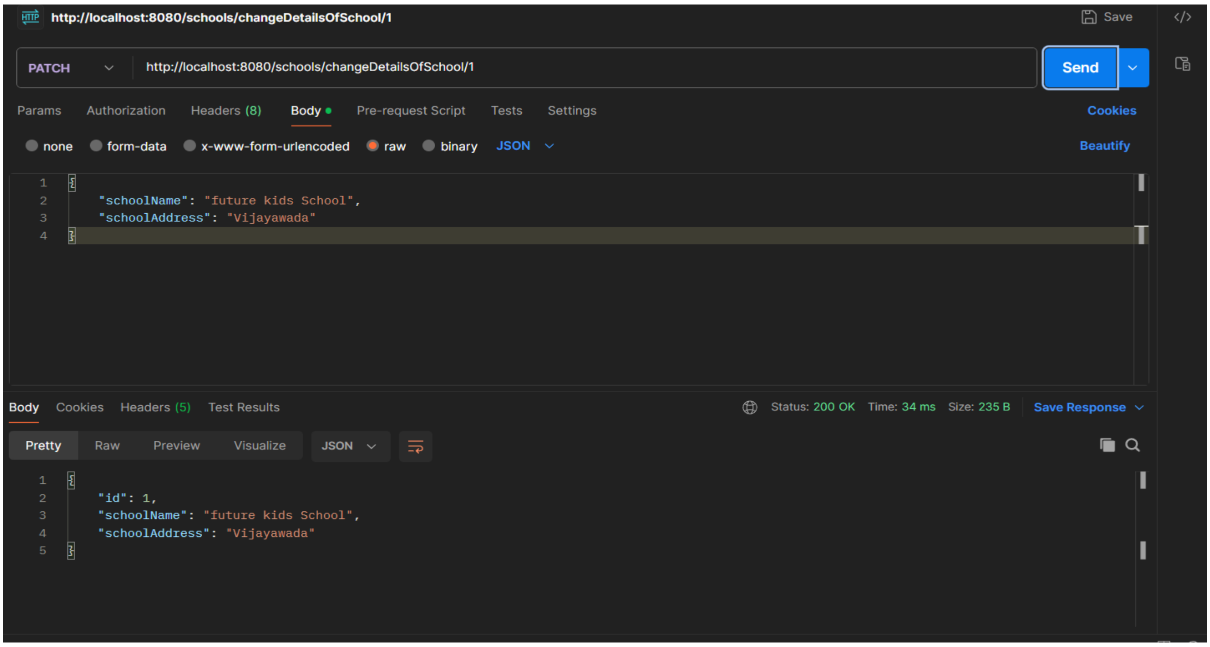
Body: raw JSON

```
{
    "schoolName": "Bhashyam School",
    "schoolAddress": "Hyderabad"
}
```

Status: 200 OK Time: 29 ms Size: 228 B

```
{
    "id": 1,
    "schoolName": "future kids",
    "schoolAddress": "Vijayawada"
}
```

6. Changing the name of the school from “future kids” to “future kids School”



PATCH http://localhost:8080/schools/changeDetailsOfSchool/1

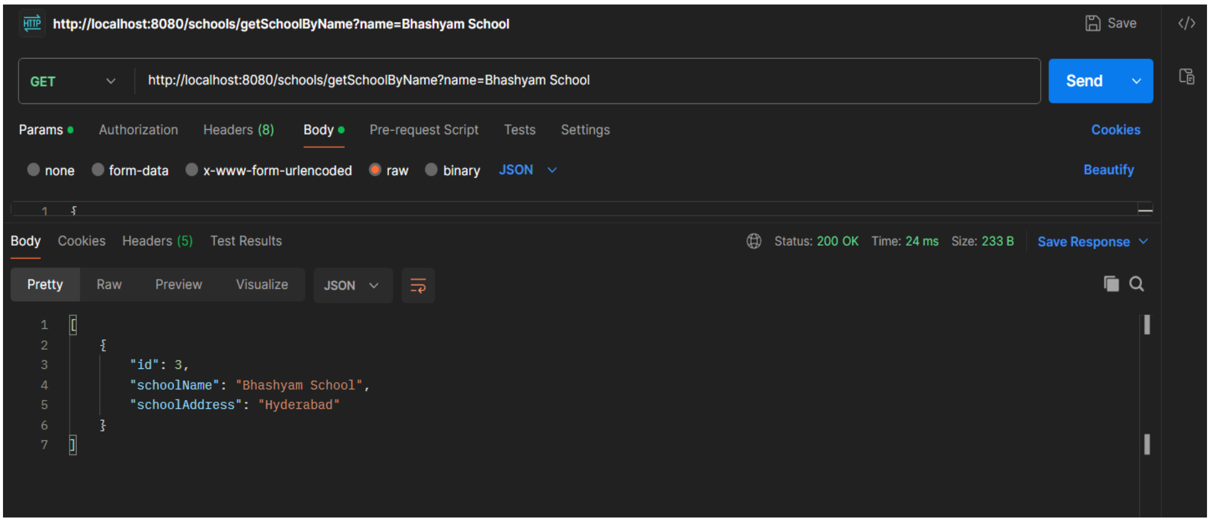
Body: raw JSON

```
{
    "schoolName": "future kids School",
    "schoolAddress": "Vijayawada"
}
```

Status: 200 OK Time: 34 ms Size: 235 B

```
{
    "id": 1,
    "schoolName": "future kids School",
    "schoolAddress": "Vijayawada"
}
```

7. Retrieving school by their names.



http://localhost:8080/schools/getSchoolByName?name=Bhashyam School

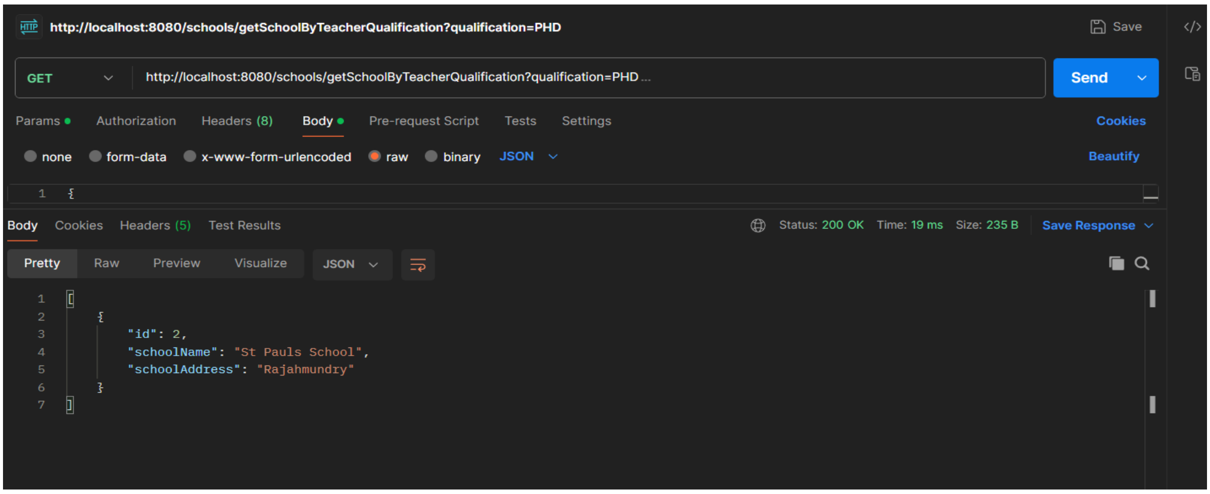
GET http://localhost:8080/schools/getSchoolByName?name=Bhashyam School

Body: raw JSON

Status: 200 OK Time: 24 ms Size: 233 B

```
[
    {
        "id": 3,
        "schoolName": "Bhashyam School",
        "schoolAddress": "Hyderabad"
    }
]
```

8. Retrieving school by their qualifications.



http://localhost:8080/schools/getSchoolByTeacherQualification?qualification=PHD

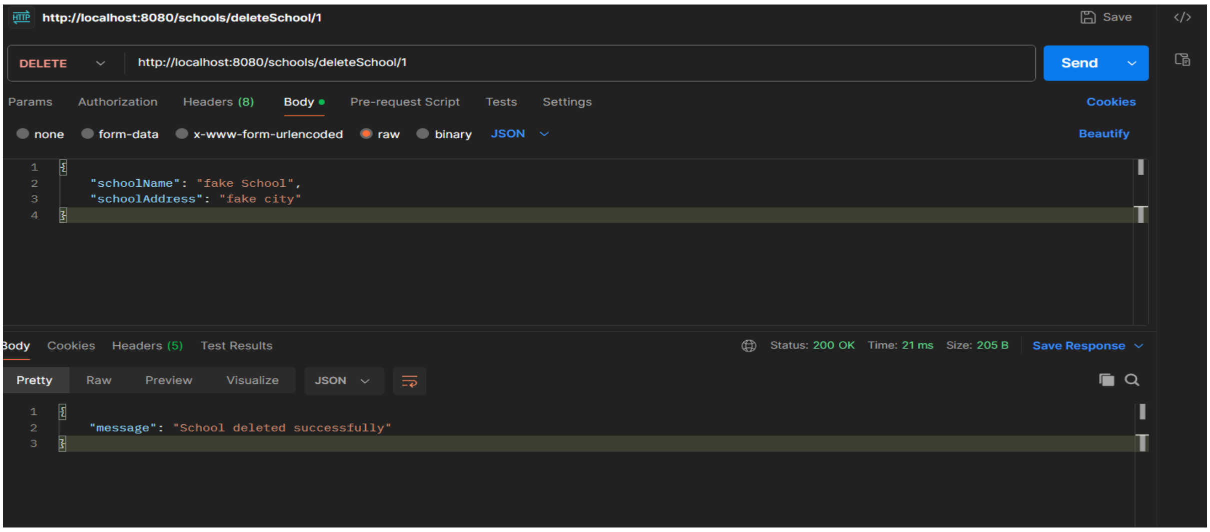
GET http://localhost:8080/schools/getSchoolByTeacherQualification?qualification=PHD ...

Body: raw JSON

Status: 200 OK Time: 19 ms Size: 235 B

```
[
    {
        "id": 2,
        "schoolName": "St Pauls School",
        "schoolAddress": "Rajahmundry"
    }
]
```

9. Created “Fake school” for deleting and its deleted successfully.



http://localhost:8080/schools/deleteSchool/1

DELETE http://localhost:8080/schools/deleteSchool/1

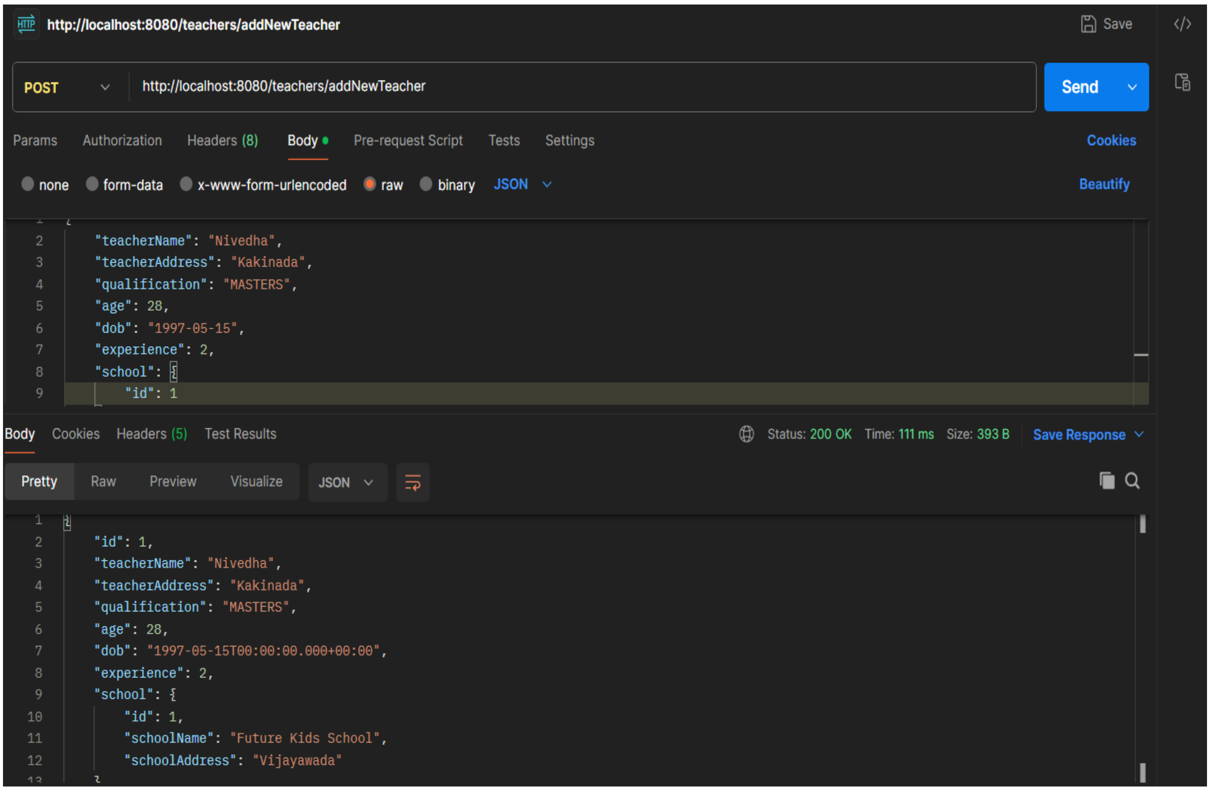
Body: raw JSON

```
{
    "schoolName": "fake School",
    "schoolAddress": "fake city"
}
```

Status: 200 OK Time: 21 ms Size: 205 B

```
{
    "message": "School deleted successfully"
}
```

10. Now adding Teacher details “Nivedha” and linking with school Id=1 with teacher id=1.



POST http://localhost:8080/teachers/addNewTeacher

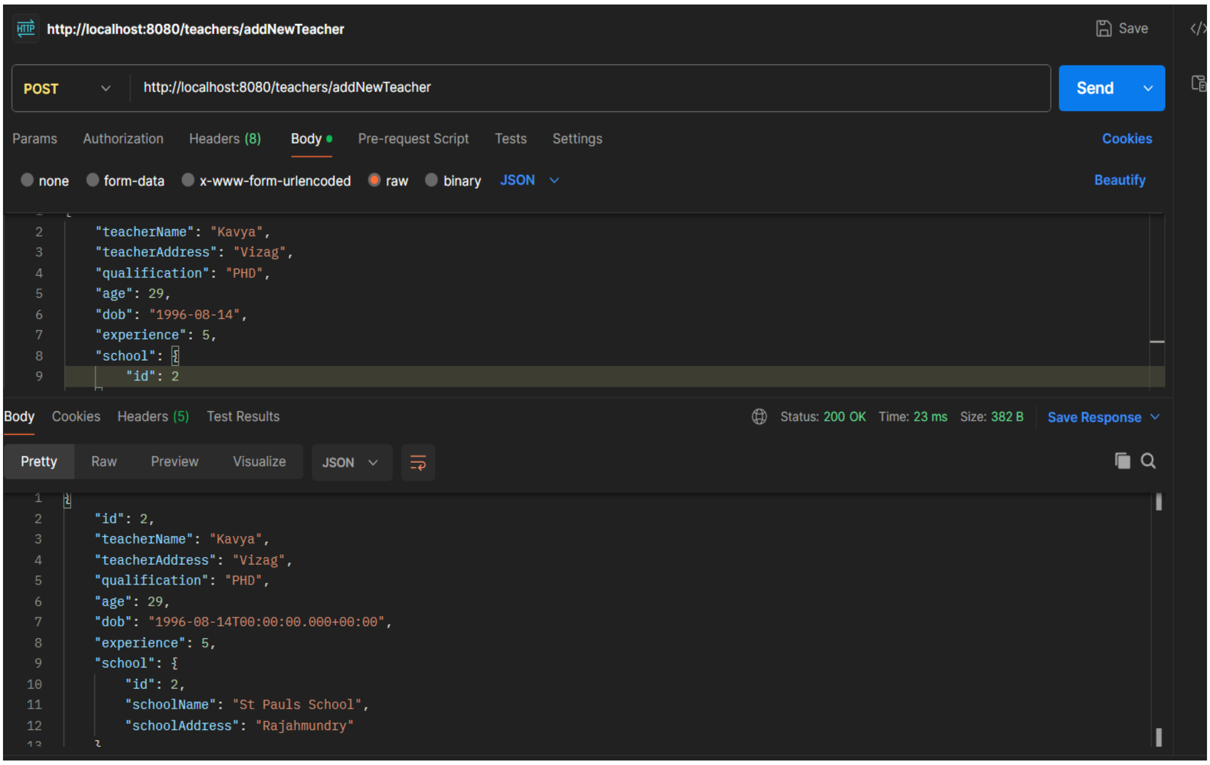
Body: ● raw JSON

```
    "teacherName": "Nivedha",
    "teacherAddress": "Kakinada",
    "qualification": "MASTERS",
    "age": 28,
    "dob": "1997-05-15",
    "experience": 2,
    "school": {
        "id": 1
```

Status: 200 OK Time: 111 ms Size: 393 B

```
{
    "id": 1,
    "teacherName": "Nivedha",
    "teacherAddress": "Kakinada",
    "qualification": "MASTERS",
    "age": 28,
    "dob": "1997-05-15T00:00:00.000+00:00",
    "experience": 2,
    "school": {
        "id": 1,
        "schoolName": "Future Kids School",
        "schoolAddress": "Vijayawada"
```

11. Now adding Teacher details “Kavya” and linking with school id=2 with teacher id=2.



POST http://localhost:8080/teachers/addNewTeacher

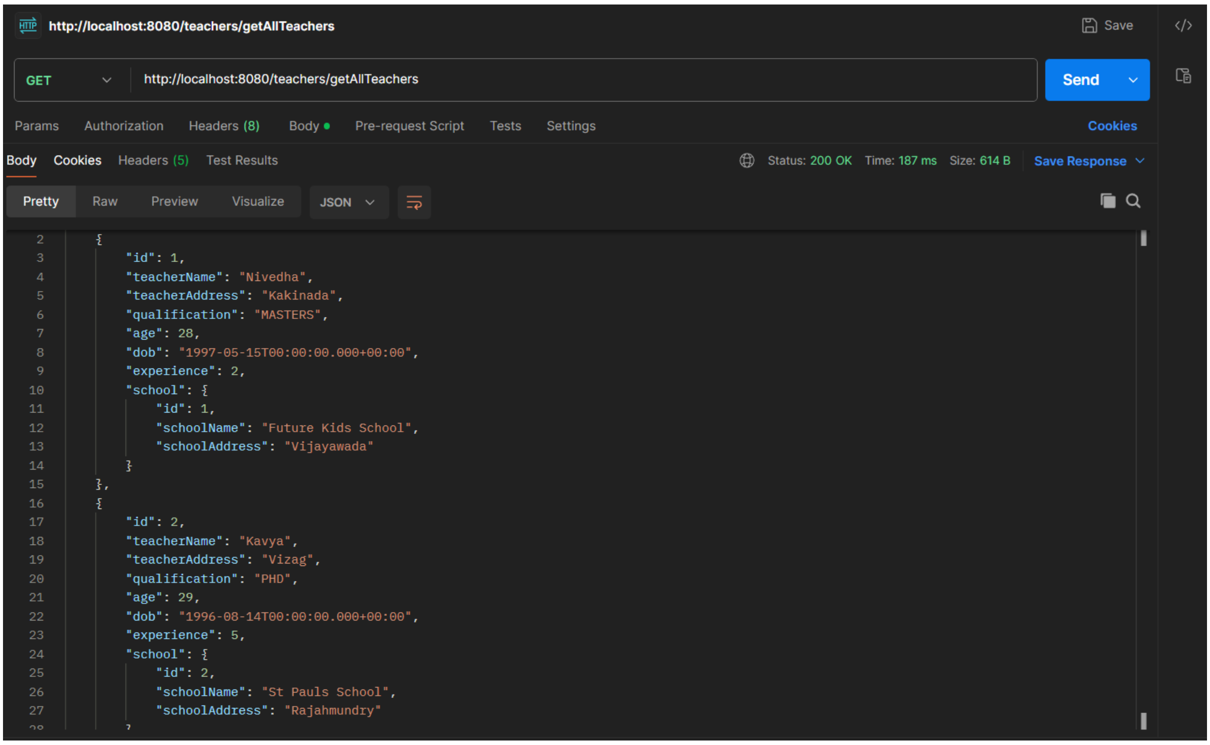
Body: ● raw JSON

```
    "teacherName": "Kavya",
    "teacherAddress": "Vizag",
    "qualification": "PHD",
    "age": 29,
    "dob": "1996-08-14",
    "experience": 5,
    "school": {
        "id": 2
```

Status: 200 OK Time: 23 ms Size: 382 B

```
{
    "id": 2,
    "teacherName": "Kavya",
    "teacherAddress": "Vizag",
    "qualification": "PHD",
    "age": 29,
    "dob": "1996-08-14T00:00:00.000+00:00",
    "experience": 5,
    "school": {
        "id": 2,
        "schoolName": "St Pauls School",
        "schoolAddress": "Rajahmundry"
```

12. Retrieving All teachers from database



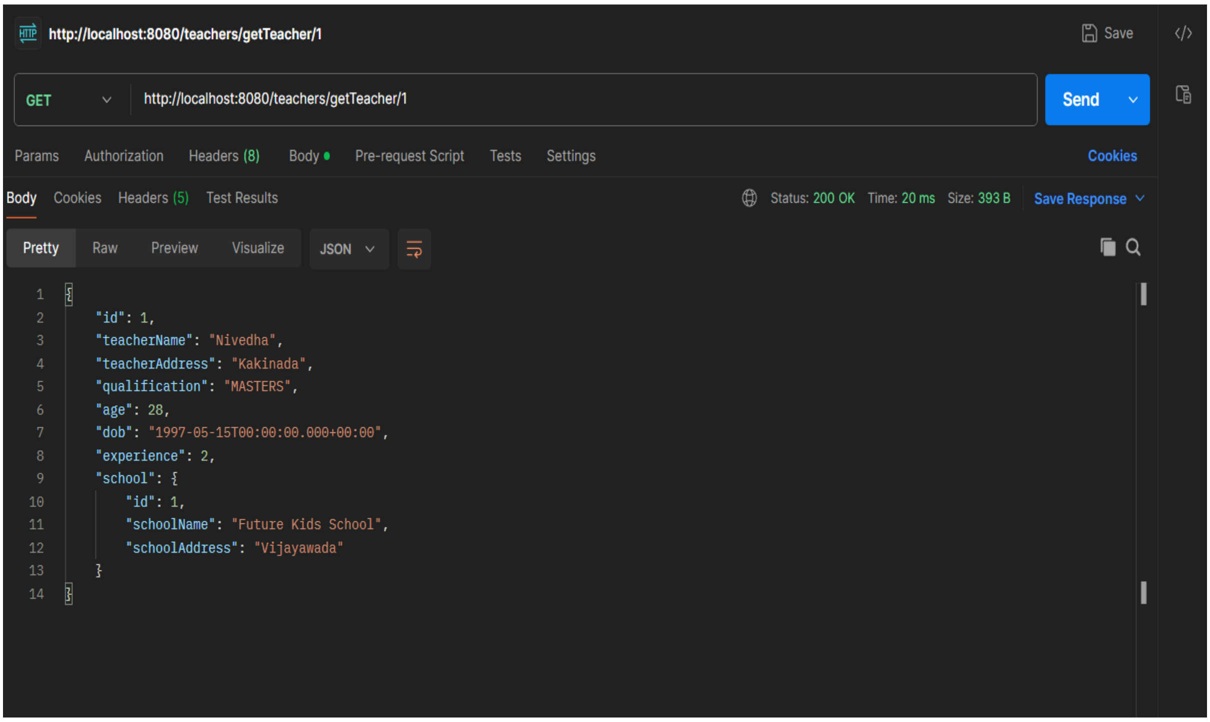
http://localhost:8080/teachers/getAllTeachers

GET http://localhost:8080/teachers/getAllTeachers

Status: 200 OK Time: 187 ms Size: 614 B

```
    {
        "id": 1,
        "teacherName": "Nivedha",
        "teacherAddress": "Kakinada",
        "qualification": "MASTERS",
        "age": 28,
        "dob": "1997-05-15T00:00:00.000+00:00",
        "experience": 2,
        "school": {
            "id": 1,
            "schoolName": "Future Kids School",
            "schoolAddress": "Vijayawada"
        }
    },
    {
        "id": 2,
        "teacherName": "Kavya",
        "teacherAddress": "Vizag",
        "qualification": "PHD",
        "age": 29,
        "dob": "1996-08-14T00:00:00.000+00:00",
        "experience": 5,
        "school": {
            "id": 2,
            "schoolName": "St Pauls School",
            "schoolAddress": "Rajahmundry"
```

13. Fetching teachers data by their IDs.



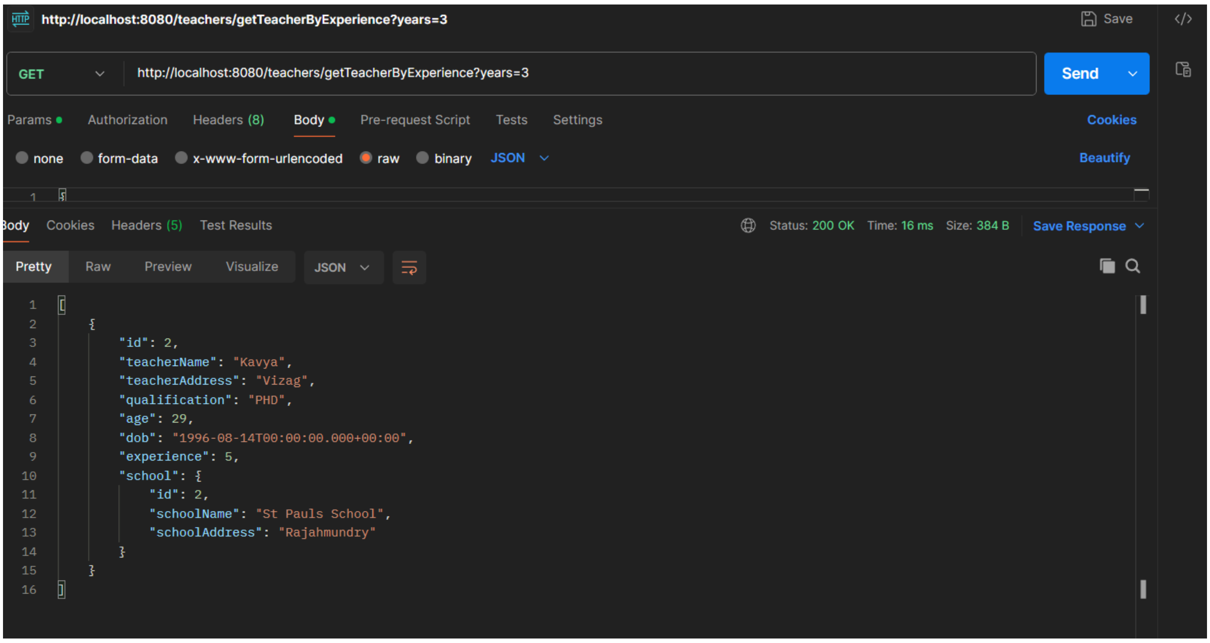
http://localhost:8080/teachers/getTeacher/1

GET http://localhost:8080/teachers/getTeacher/1

Status: 200 OK Time: 20 ms Size: 393 B

```
{
    "id": 1,
    "teacherName": "Nivedha",
    "teacherAddress": "Kakinada",
    "qualification": "MASTERS",
    "age": 28,
    "dob": "1997-05-15T00:00:00.000+00:00",
    "experience": 2,
    "school": {
        "id": 1,
        "schoolName": "Future Kids School",
        "schoolAddress": "Vijayawada"
    }
}
```

14. Fetching Teacher details by their experience.



http://localhost:8080/teachers/getTeacherByExperience?years=3

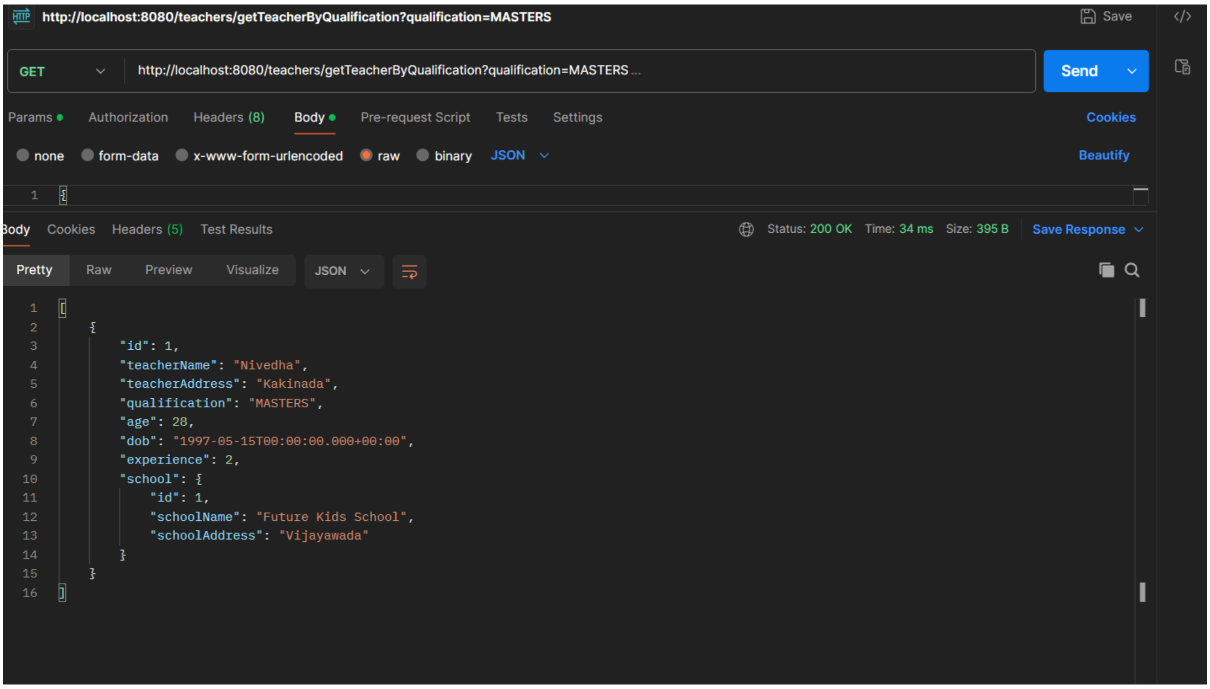
GET http://localhost:8080/teachers/getTeacherByExperience?years=3

Body: raw JSON

Status: 200 OK Time: 16 ms Size: 384 B

```
[
    {
        "id": 2,
        "teacherName": "Kavya",
        "teacherAddress": "Vizag",
        "qualification": "PHD",
        "age": 29,
        "dob": "1996-08-14T00:00:00.000+00:00",
        "experience": 5,
        "school": {
            "id": 2,
            "schoolName": "St Pauls School",
            "schoolAddress": "Rajahmundry"
        }
    }
]
```

15. Fetching teachers details by their Qualifications.



http://localhost:8080/teachers/getTeacherByQualification?qualification=MASTERS

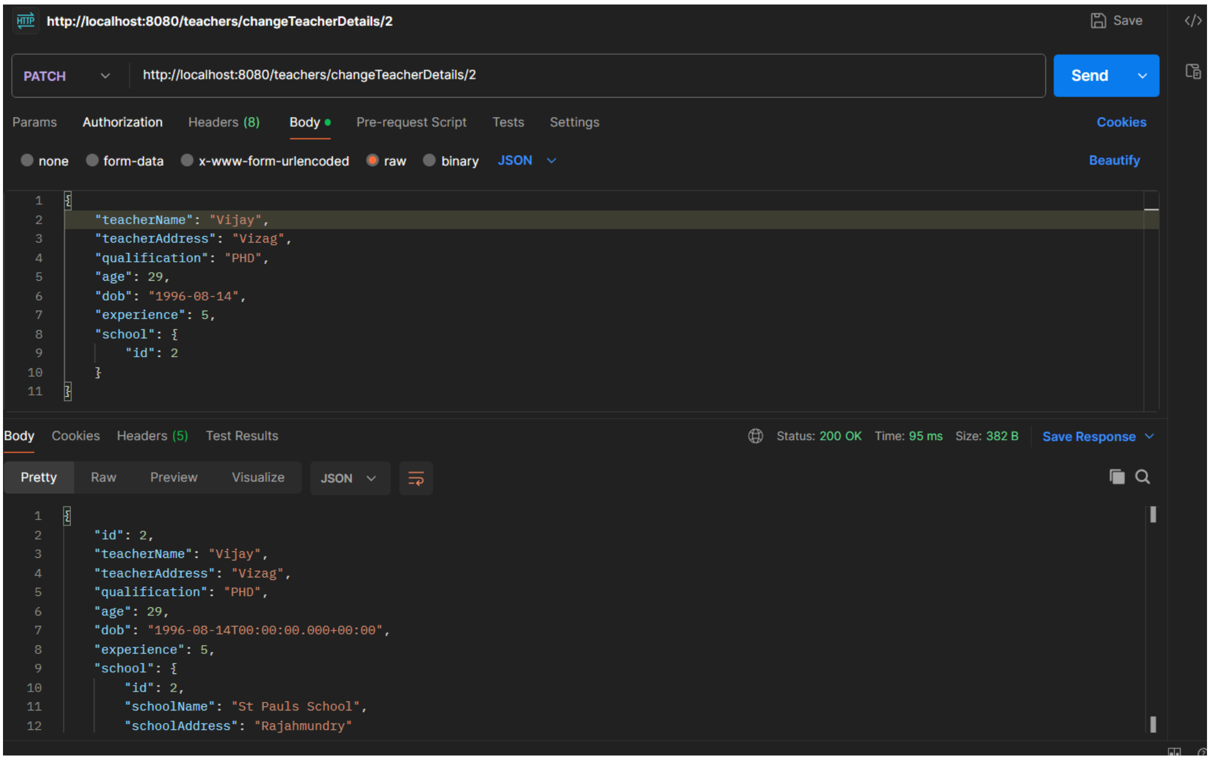
GET http://localhost:8080/teachers/getTeacherByQualification?qualification=MASTERS ...

Body: raw JSON

Status: 200 OK Time: 34 ms Size: 395 B

```
[
    {
        "id": 1,
        "teacherName": "Nivedha",
        "teacherAddress": "Kakinada",
        "qualification": "MASTERS",
        "age": 28,
        "dob": "1997-05-15T00:00:00.000+00:00",
        "experience": 2,
        "school": {
            "id": 1,
            "schoolName": "Future Kids School",
            "schoolAddress": "Vijayawada"
        }
    }
]
```

16. Changing name of teacher from “kavya” to “vijay” using PATCH request.



http://localhost:8080/teachers/changeTeacherDetails/2

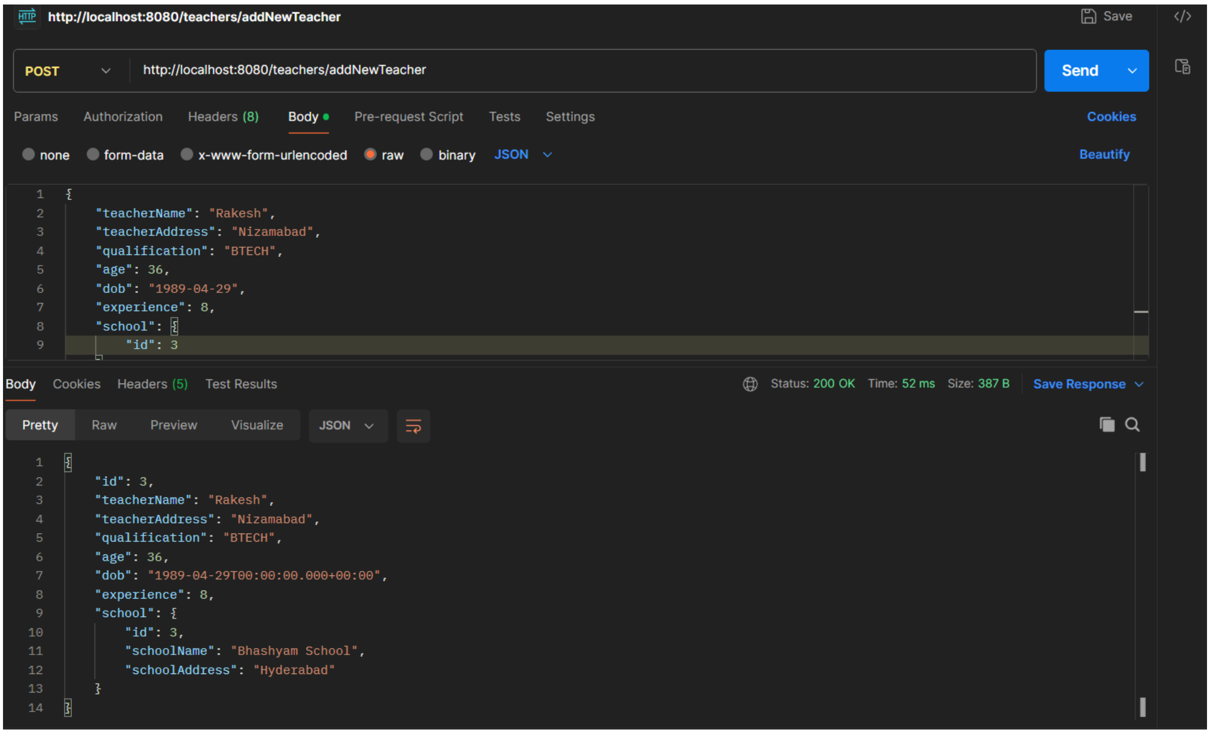
PATCH http://localhost:8080/teachers/changeTeacherDetails/2

```
{
    "teacherName": "Vijay",
    "teacherAddress": "Vizag",
    "qualification": "PHD",
    "age": 29,
    "dob": "1996-08-14",
    "experience": 5,
    "school": {
        "id": 2
    }
}
```

Status: 200 OK Time: 95 ms Size: 382 B

```
{
    "id": 2,
    "teacherName": "Vijay",
    "teacherAddress": "Vizag",
    "qualification": "PHD",
    "age": 29,
    "dob": "1996-08-14T00:00:00.000+00:00",
    "experience": 5,
    "school": {
        "id": 2,
        "schoolName": "St Pauls School",
        "schoolAddress": "Rajahmundry"
```

17. Creating a teacher for delete purpose.



http://localhost:8080/teachers/addNewTeacher

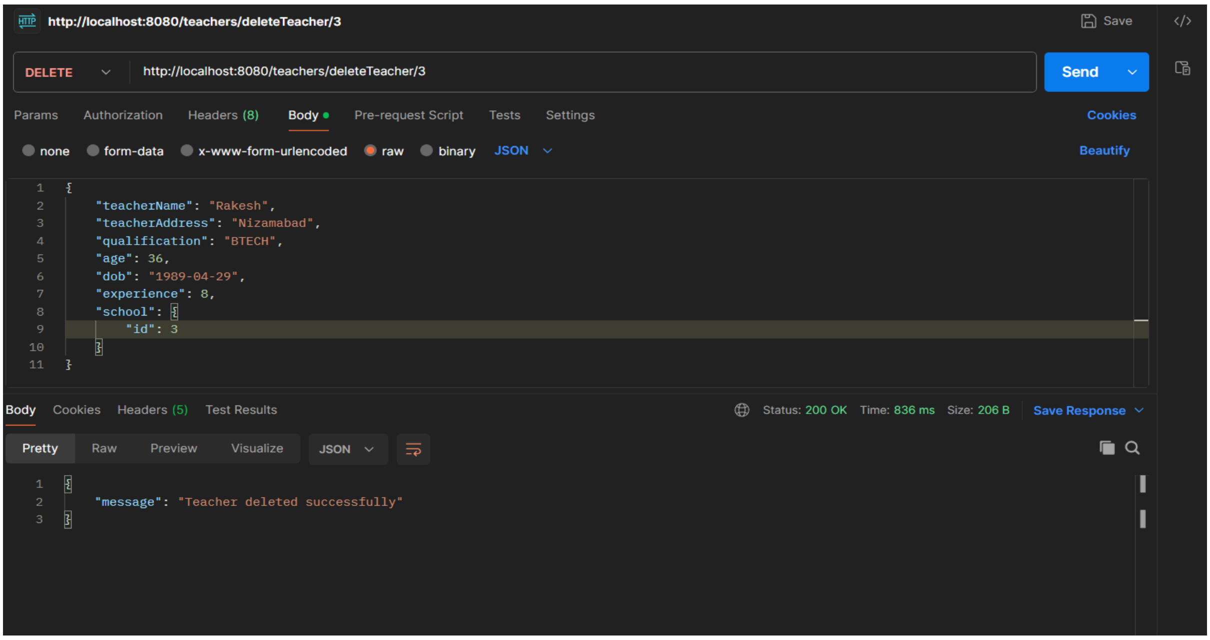
POST http://localhost:8080/teachers/addNewTeacher

```
{
    "teacherName": "Rakesh",
    "teacherAddress": "Nizamabad",
    "qualification": "BTECH",
    "age": 36,
    "dob": "1989-04-29",
    "experience": 8,
    "school": {
        "id": 3
```

Status: 200 OK Time: 52 ms Size: 387 B

```
{
    "id": 3,
    "teacherName": "Rakesh",
    "teacherAddress": "Nizamabad",
    "qualification": "BTECH",
    "age": 36,
    "dob": "1989-04-29T00:00:00.000+00:00",
    "experience": 8,
    "school": {
        "id": 3,
        "schoolName": "Bhashyam School",
        "schoolAddress": "Hyderabad"
    }
}
```

18. Deleted the Teacher by their IDs.



DELETE http://localhost:8080/teachers/deleteTeacher/3

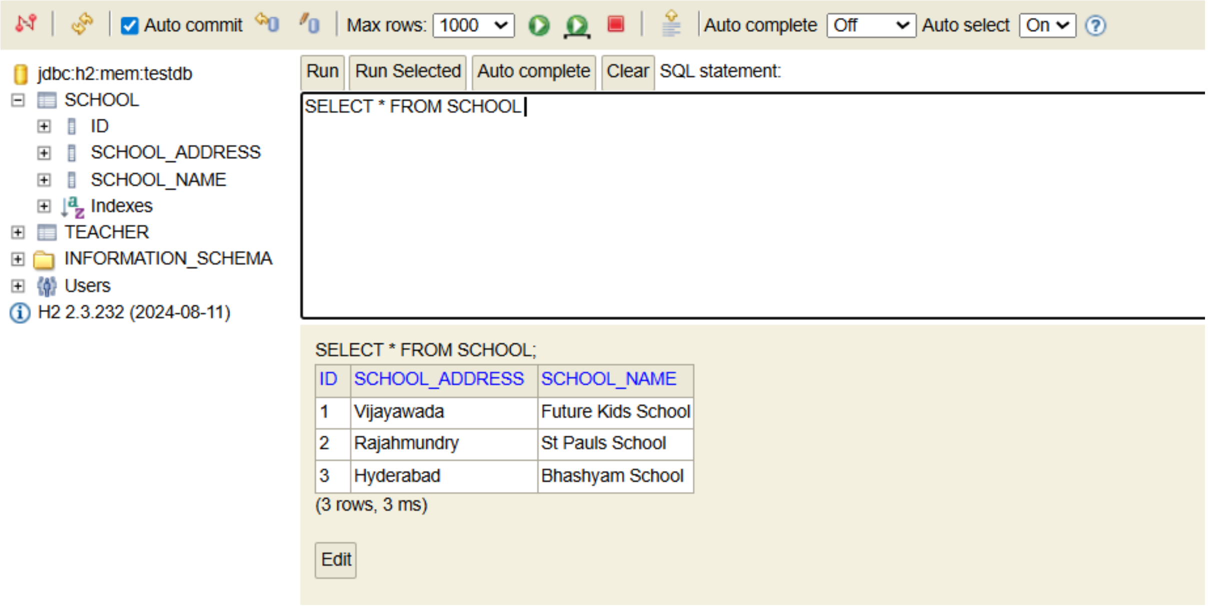
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary JSON

```
{
    "teacherName": "Rakesh",
    "teacherAddress": "Nizamabad",
    "qualification": "BTECH",
    "age": 36,
    "dob": "1989-04-29",
    "experience": 8,
    "school": {
        "id": 3
    }
}
```

Body — Status: 200 OK Time: 836 ms Size: 206 B

```
{
    "message": "Teacher deleted successfully"
}
```

19. School Data in Hibernate Database



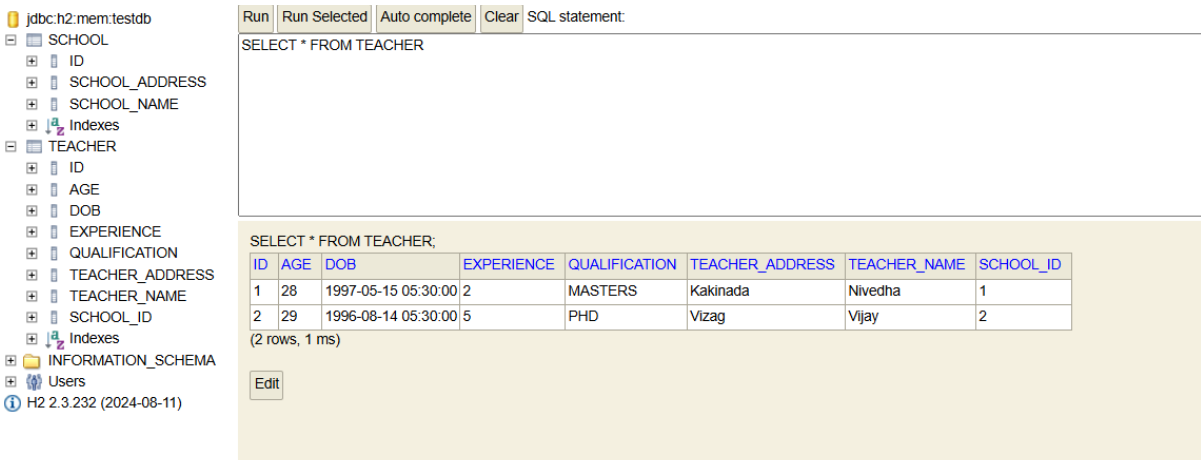
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME
1	Vijayawada	Future Kids School
2	Rajahmundry	St Pauls School
3	Hyderabad	Bhashyam School

(3 rows, 3 ms)

20. Teacher Data in Hibernet Database



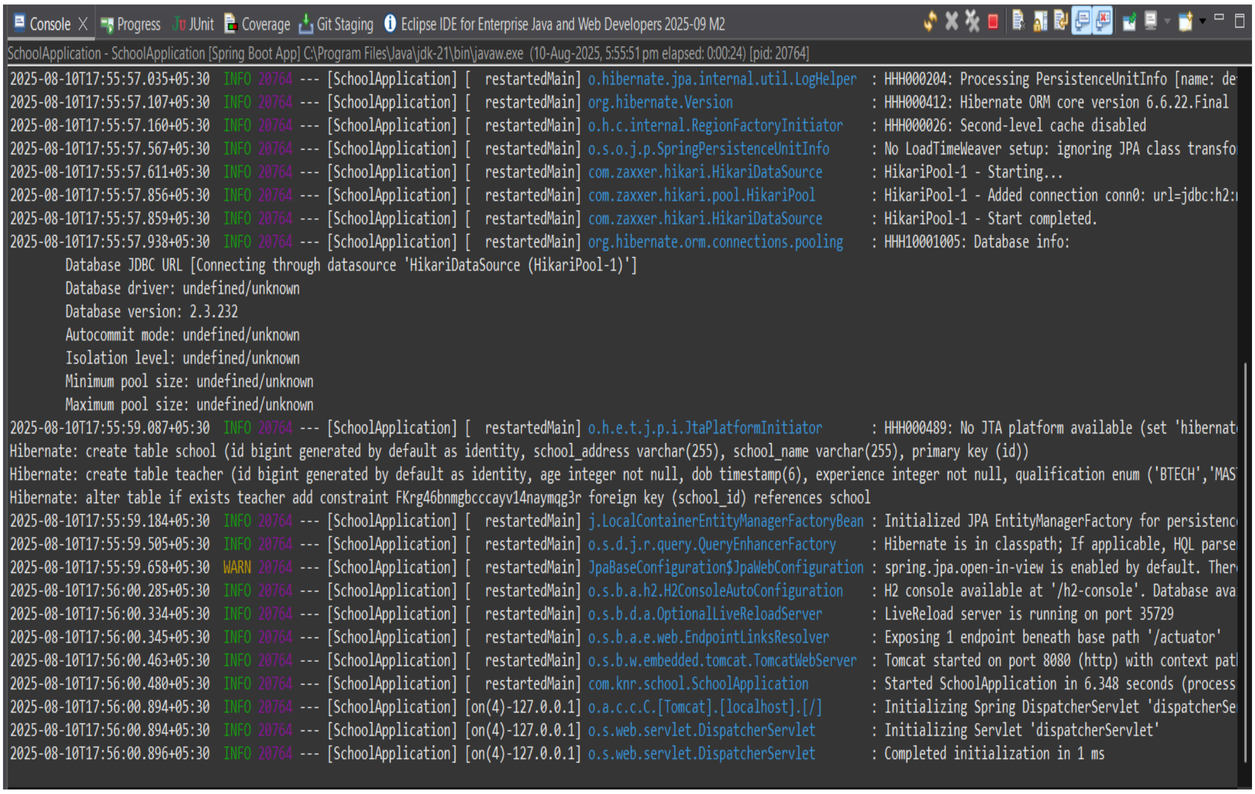
```
SELECT * FROM TEACHER
```

SELECT * FROM TEACHER;

ID	AGE	DOB	EXPERIENCE	QUALIFICATION	TEACHER_ADDRESS	TEACHER_NAME	SCHOOL_ID
1	28	1997-05-15 05:30:00	2	MASTERS	Kakinada	Nivedha	1
2	29	1996-08-14 05:30:00	5	PHD	Vizag	Vijay	2

(2 rows, 1 ms)

CONSOLE:


Console
Progress
JUnit
Coverage
Git Staging
Eclipse IDE for Enterprise Java and Web Developers 2025-09 M2

```
SchoolApplication - SchoolApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe  (10-Aug-2025, 5:55:51 pm elapsed: 0:00:24) [pid: 20764]
2025-08-10T17:55:57.035+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [name: de
2025-08-10T17:55:57.107+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] org.hibernate.Version                     : HHH000412: Hibernate ORM core version 6.6.22.Final
2025-08-10T17:55:57.160+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.h.c.internal.RegionFactoryInitiator    : HHH000026: Second-level cache disabled
2025-08-10T17:55:57.567+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo      : No LoadTimeWeaver setup: ignoring JPA class transfo
2025-08-10T17:55:57.611+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2025-08-10T17:55:57.856+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] com.zaxxer.hikari.pool.HikariPool        : HikariPool-1 - Added connection conn0: url=jdbc:h2:
2025-08-10T17:55:57.859+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2025-08-10T17:55:57.938+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] org.hibernate.orm.connections.pooling    : HHH10001005: Database info:
	Database JDBC URL [Connecting through datasource 'HikariDataSource (HikariPool-1)']
	Database driver: undefined/unknown
	Database version: 2.3.232
	Autocommit mode: undefined/unknown
	Isolation level: undefined/unknown
	Minimum pool size: undefined/unknown
	Maximum pool size: undefined/unknown
2025-08-10T17:55:59.087+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000489: No JTA platform available (set 'hibernat
Hibernate: create table school (id bigint generated by default as identity, school_address varchar(255), school_name varchar(255), primary key (id))
Hibernate: create table teacher (id bigint generated by default as identity, age integer not null, dob timestamp(6), experience integer not null, qualification enum ('BTECH','MAS
Hibernate: alter table if exists teacher add constraint FKrg46bnmgbcccayv14naymqg3r foreign key (school_id) references school
2025-08-10T17:55:59.184+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistenc
2025-08-10T17:55:59.505+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.d.j.r.query.QueryEnhancerFactory     : Hibernate is in classpath; If applicable, HQL parse
2025-08-10T17:55:59.658+05:30  WARN 20764 --- [SchoolApplication] [  restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Ther
2025-08-10T17:56:00.285+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.b.a.h2.H2ConsoleAutoConfiguration    : H2 console available at '/h2-console'. Database ava
2025-08-10T17:56:00.334+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port 35729
2025-08-10T17:56:00.345+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.b.a.e.web.EndpointLinksResolver      : Exposing 1 endpoint beneath base path '/actuator'
2025-08-10T17:56:00.463+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port 8080 (http) with context pat
2025-08-10T17:56:00.480+05:30  INFO 20764 --- [SchoolApplication] [  restartedMain] com.knr.school.SchoolApplication         : Started SchoolApplication in 6.348 seconds (process
2025-08-10T17:56:00.894+05:30  INFO 20764 --- [SchoolApplication] [on(4)-127.0.0.1] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring DispatcherServlet 'dispatcherSe
2025-08-10T17:56:00.894+05:30  INFO 20764 --- [SchoolApplication] [on(4)-127.0.0.1] o.s.web.servlet.DispatcherServlet        : Initializing Servlet 'dispatcherServlet'
2025-08-10T17:56:00.896+05:30  INFO 20764 --- [SchoolApplication] [on(4)-127.0.0.1] o.s.web.servlet.DispatcherServlet        : Completed initialization in 1 ms
```