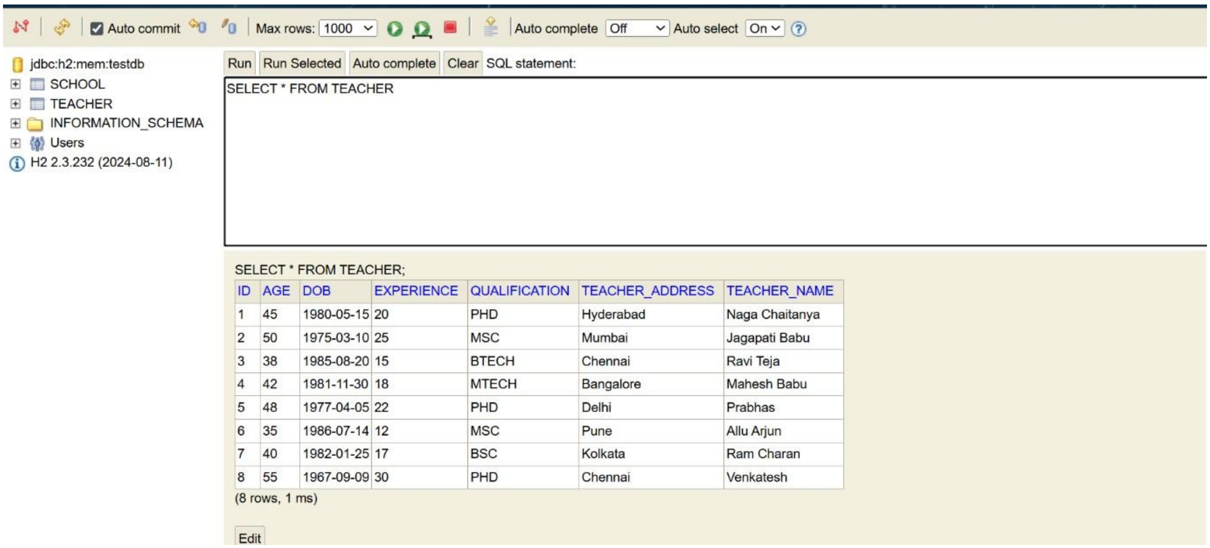
Student Management Rest API
1. Pre given Data.



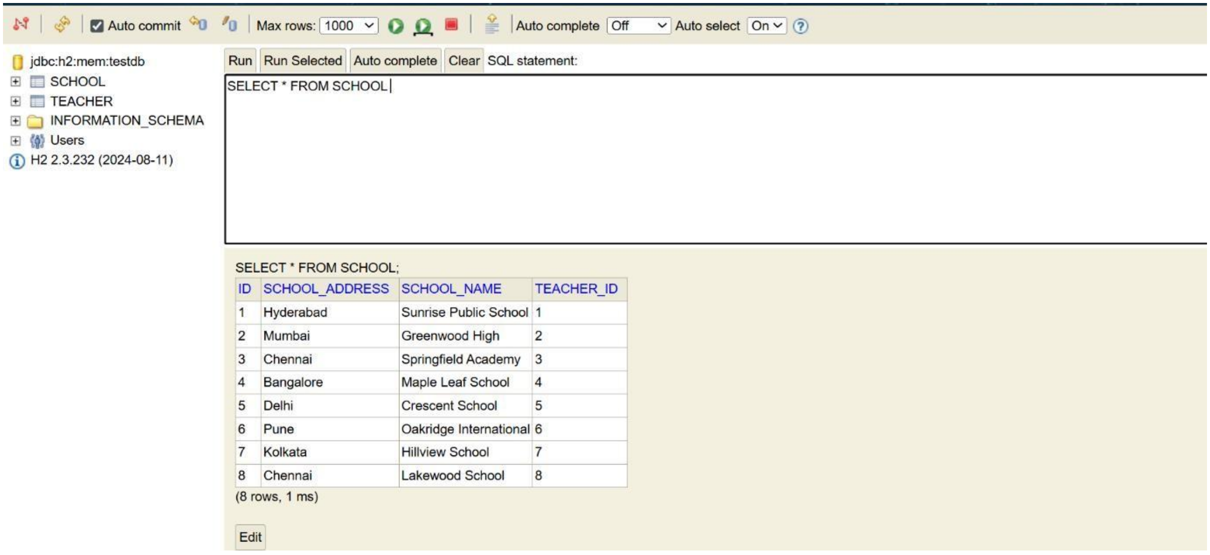
☑ Auto commit Max rows: 1000 Auto complete Off Auto select On

```
SELECT * FROM TEACHER
```

SELECT * FROM TEACHER;

ID	AGE	DOB	EXPERIENCE	QUALIFICATION	TEACHER_ADDRESS	TEACHER_NAME
1	45	1980-05-15	20	PHD	Hyderabad	Naga Chaitanya
2	50	1975-03-10	25	MSC	Mumbai	Jagapati Babu
3	38	1985-08-20	15	BTECH	Chennai	Ravi Teja
4	42	1981-11-30	18	MTECH	Bangalore	Mahesh Babu
5	48	1977-04-05	22	PHD	Delhi	Prabhas
6	35	1986-07-14	12	MSC	Pune	Allu Arjun
7	40	1982-01-25	17	BSC	Kolkata	Ram Charan
8	55	1967-09-09	30	PHD	Chennai	Venkatesh

(8 rows, 1 ms)



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

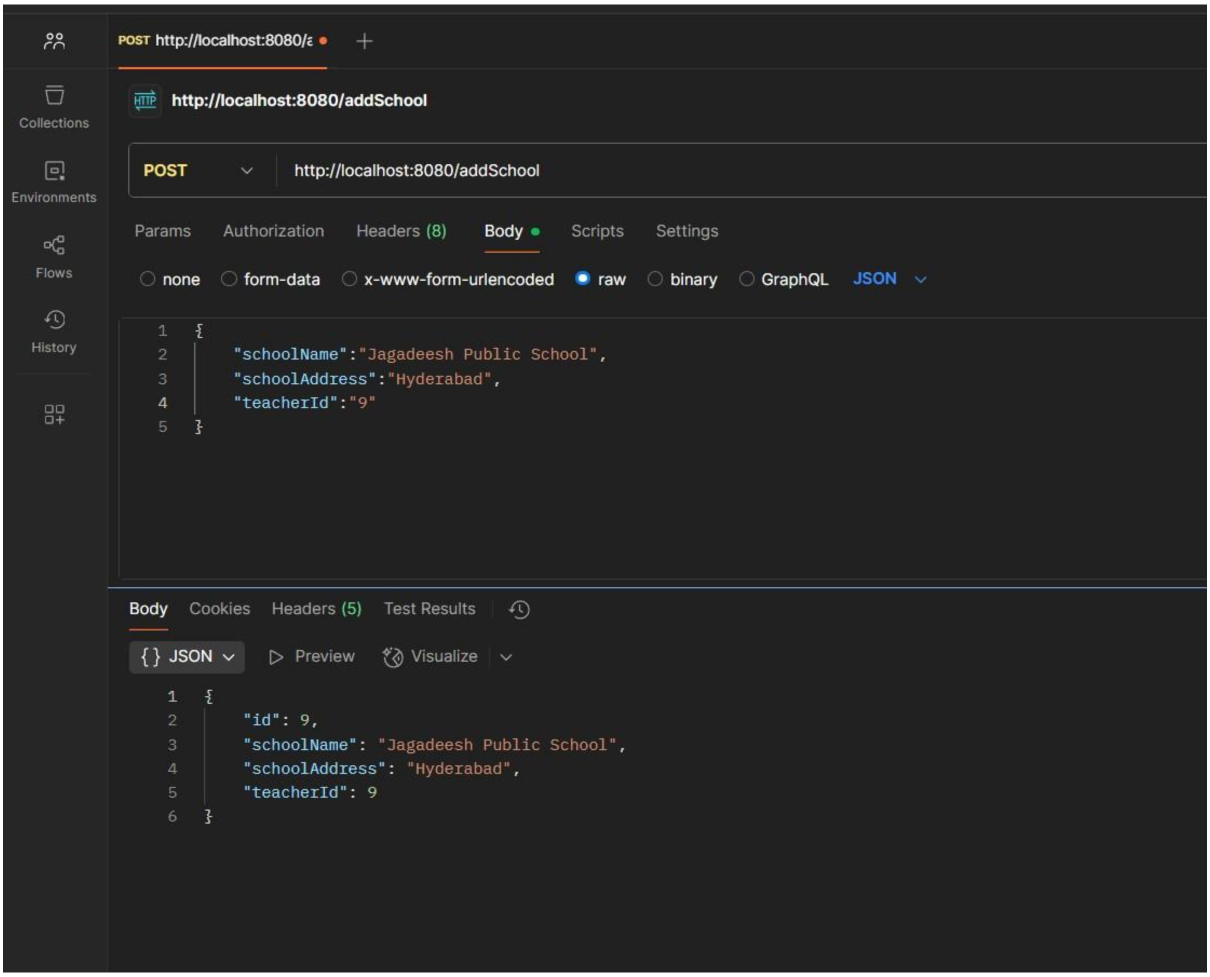
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7
8	Chennai	Lakewood School	8

(8 rows, 1 ms)

2. After ("/addSchool")



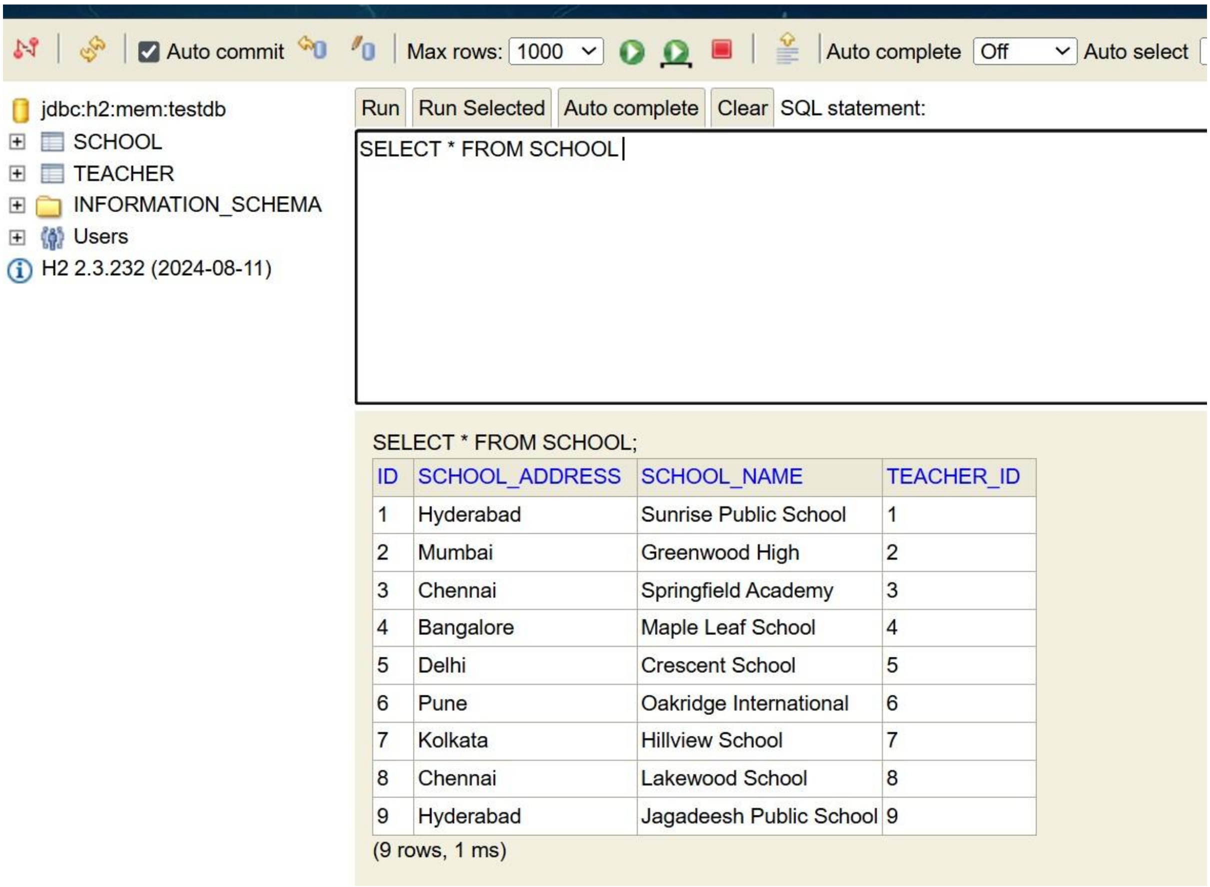
http://localhost:8080/addSchool

POST http://localhost:8080/addSchool

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

```
{
    "schoolName":"Jagadeesh Public School",
    "schoolAddress":"Hyderabad",
    "teacherId":"9"
}
```

```
{
    "id": 9,
    "schoolName": "Jagadeesh Public School",
    "schoolAddress": "Hyderabad",
    "teacherId": 9
}
```



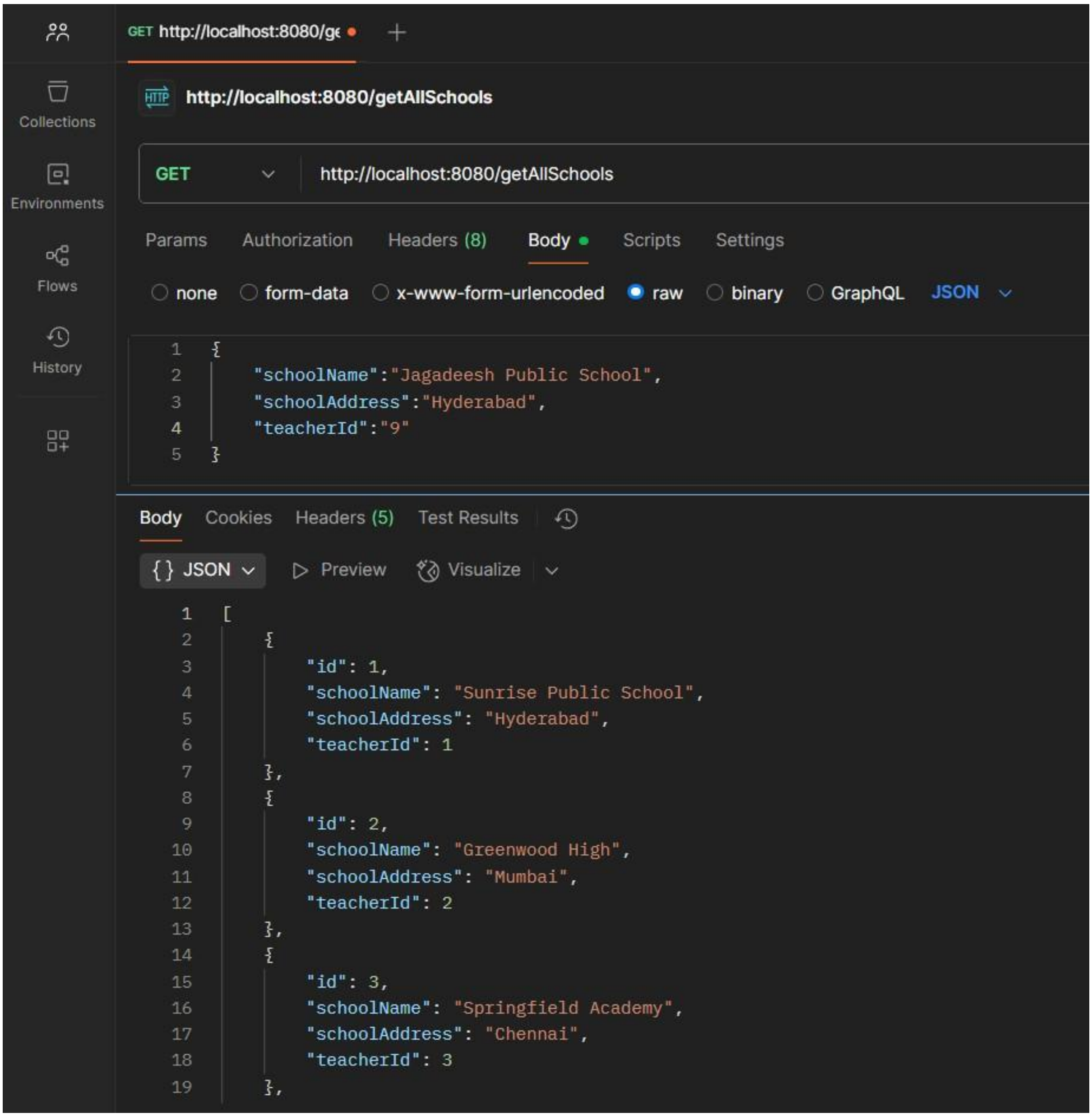
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7
8	Chennai	Lakewood School	8
9	Hyderabad	Jagadeesh Public School	9

(9 rows, 1 ms)

3. After (“/getAllSchools”)



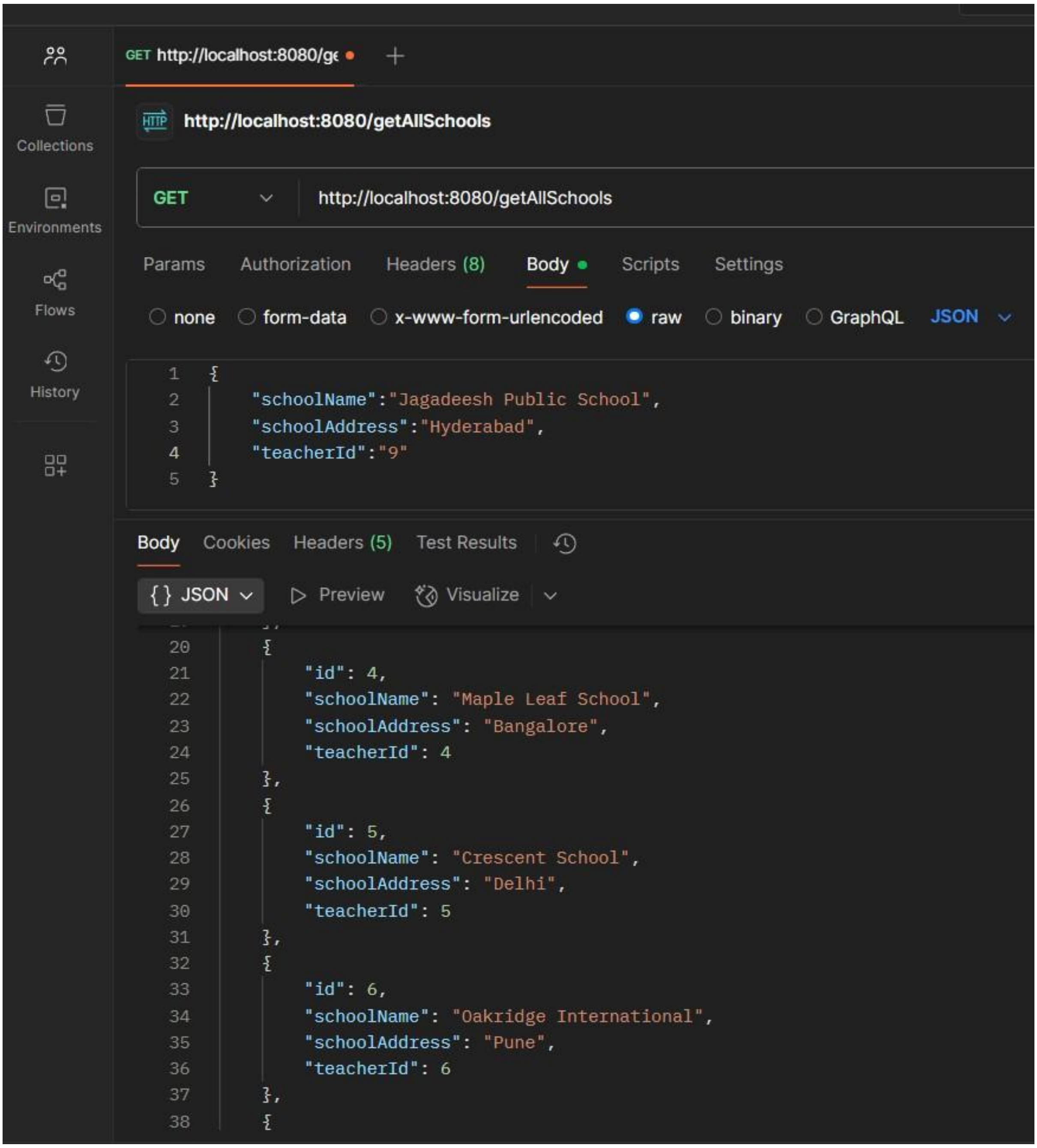
http://localhost:8080/getAllSchools

GET http://localhost:8080/getAllSchools

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

```
{
    "schoolName":"Jagadeesh Public School",
    "schoolAddress":"Hyderabad",
    "teacherId":"9"
}
```

```
[
    {
        "id": 1,
        "schoolName": "Sunrise Public School",
        "schoolAddress": "Hyderabad",
        "teacherId": 1
    },
    {
        "id": 2,
        "schoolName": "Greenwood High",
        "schoolAddress": "Mumbai",
        "teacherId": 2
    },
    {
        "id": 3,
        "schoolName": "Springfield Academy",
        "schoolAddress": "Chennai",
        "teacherId": 3
    },
```



http://localhost:8080/getAllSchools

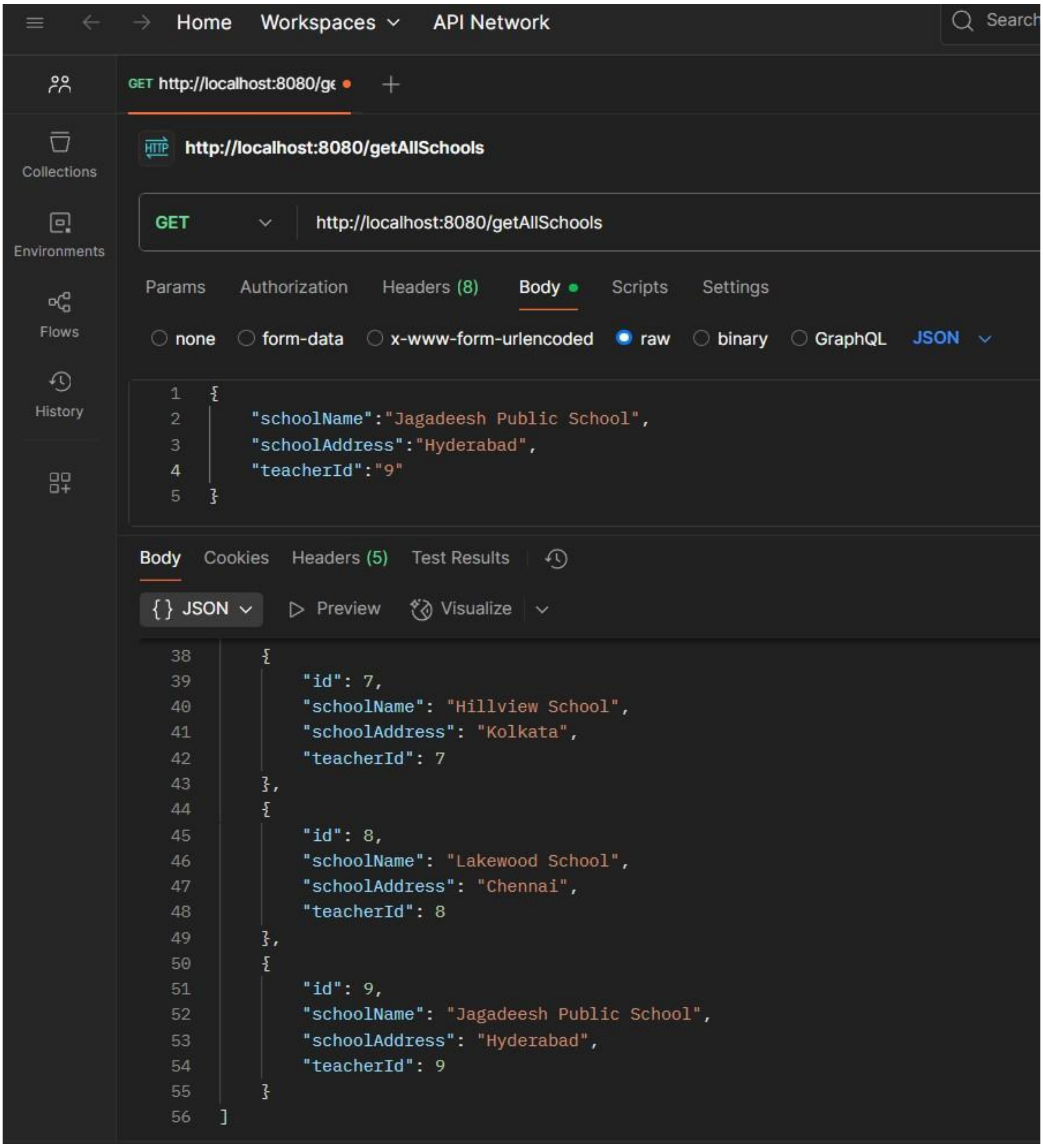
GET http://localhost:8080/getAllSchools

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

```
{
    "schoolName":"Jagadeesh Public School",
    "schoolAddress":"Hyderabad",
    "teacherId":"9"
}
```

{ } JSON

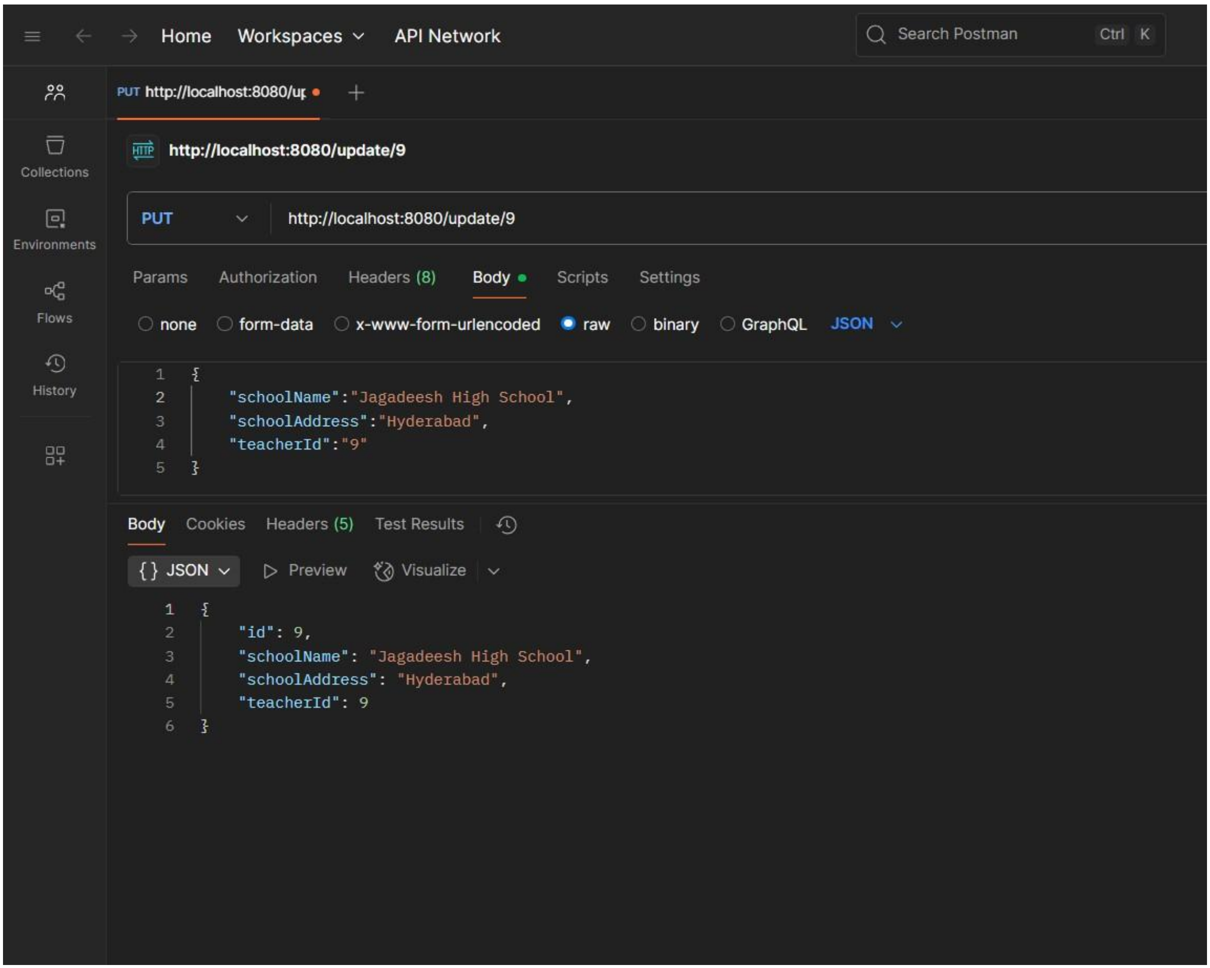
```
    {
        "id": 4,
        "schoolName": "Maple Leaf School",
        "schoolAddress": "Bangalore",
        "teacherId": 4
    },
    {
        "id": 5,
        "schoolName": "Crescent School",
        "schoolAddress": "Delhi",
        "teacherId": 5
    },
    {
        "id": 6,
        "schoolName": "Oakridge International",
        "schoolAddress": "Pune",
        "teacherId": 6
    },
    {
```



```
{
    "schoolName":"Jagadeesh Public School",
    "schoolAddress":"Hyderabad",
    "teacherId":"9"
}
```

```
    {
        "id": 7,
        "schoolName": "Hillview School",
        "schoolAddress": "Kolkata",
        "teacherId": 7
    },
    {
        "id": 8,
        "schoolName": "Lakewood School",
        "schoolAddress": "Chennai",
        "teacherId": 8
    },
    {
        "id": 9,
        "schoolName": "Jagadeesh Public School",
        "schoolAddress": "Hyderabad",
        "teacherId": 9
    }
]
```

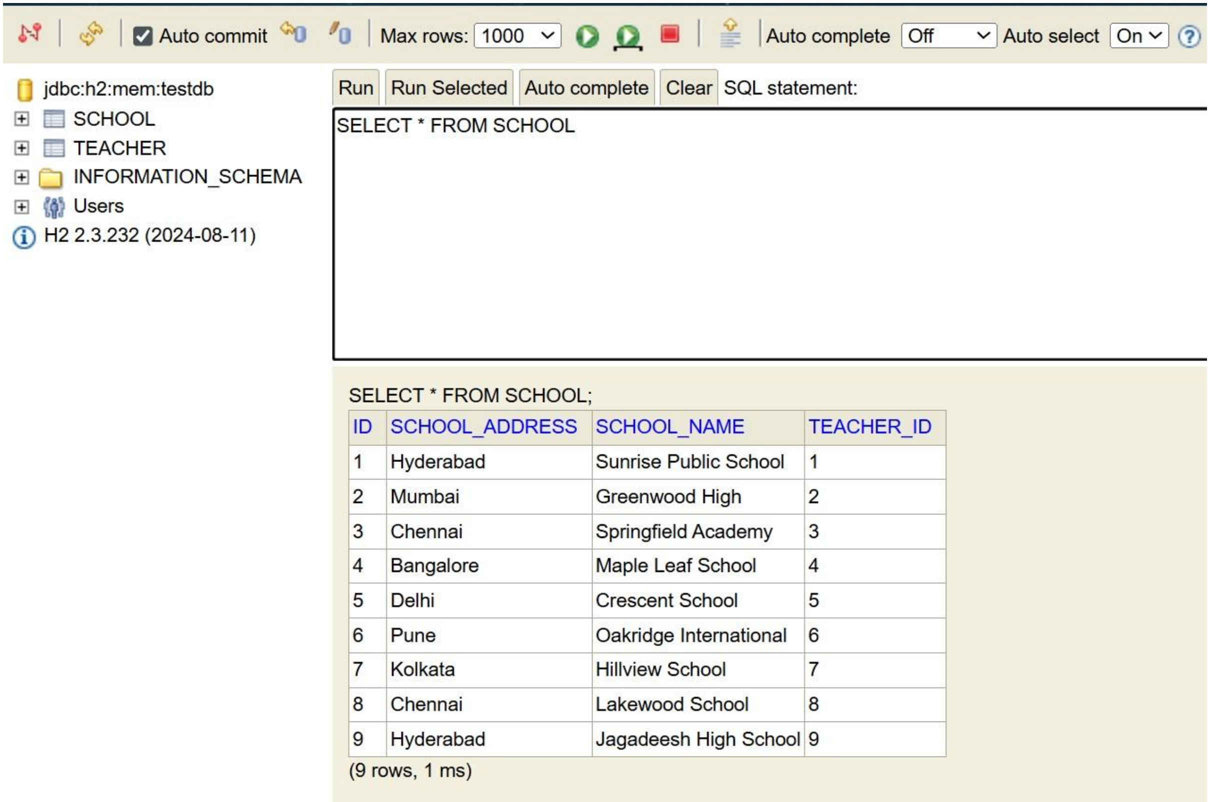
3. After ("/update/{id}")



PUT http://localhost:8080/update/9

```
{
    "schoolName":"Jagadeesh High School",
    "schoolAddress":"Hyderabad",
    "teacherId":"9"
}
```

```
{
    "id": 9,
    "schoolName": "Jagadeesh High School",
    "schoolAddress": "Hyderabad",
    "teacherId": 9
}
```



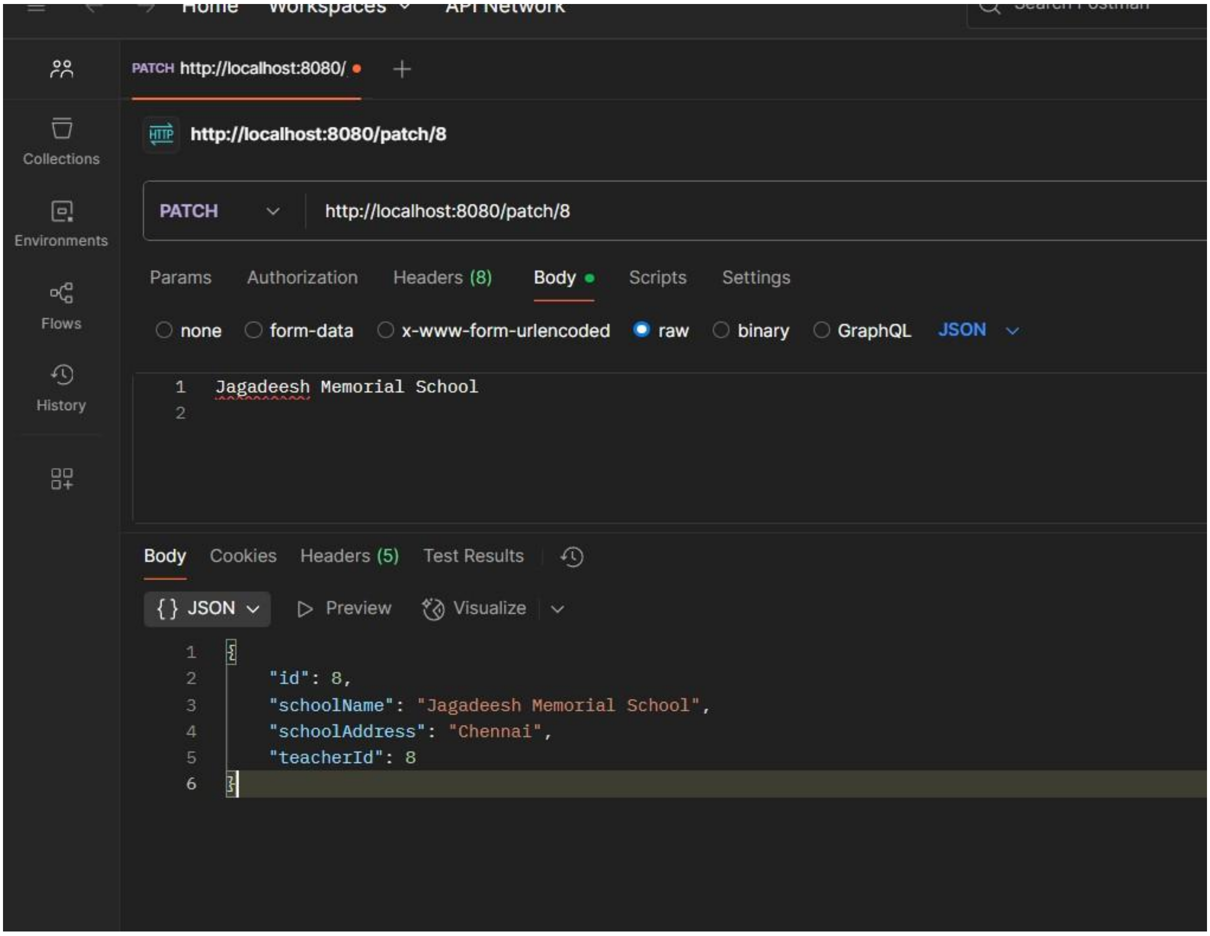
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7
8	Chennai	Lakewood School	8
9	Hyderabad	Jagadeesh High School	9

(9 rows, 1 ms)

4. After (“/patch/{id}”)



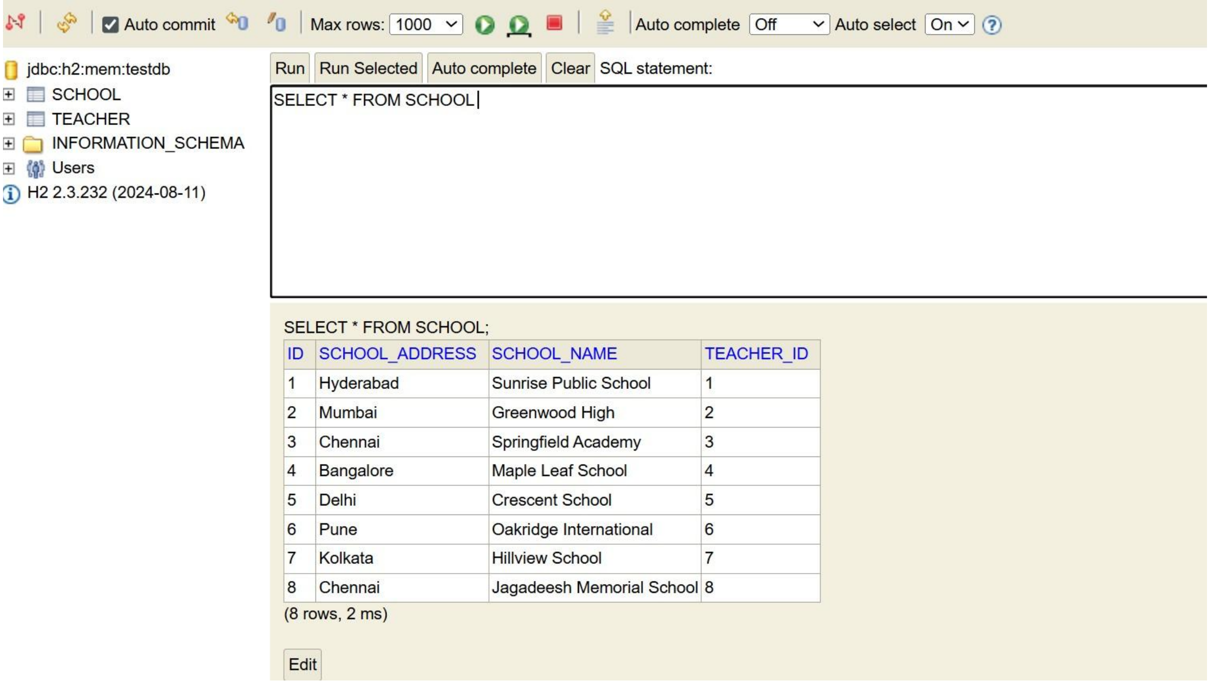
PATCH http://localhost:8080/patch/8

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

```
Jagadeesh Memorial School
```

Response Body { } JSON

```
{
    "id": 8,
    "schoolName": "Jagadeesh Memorial School",
    "schoolAddress": "Chennai",
    "teacherId": 8
}
```



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

SQL statement:

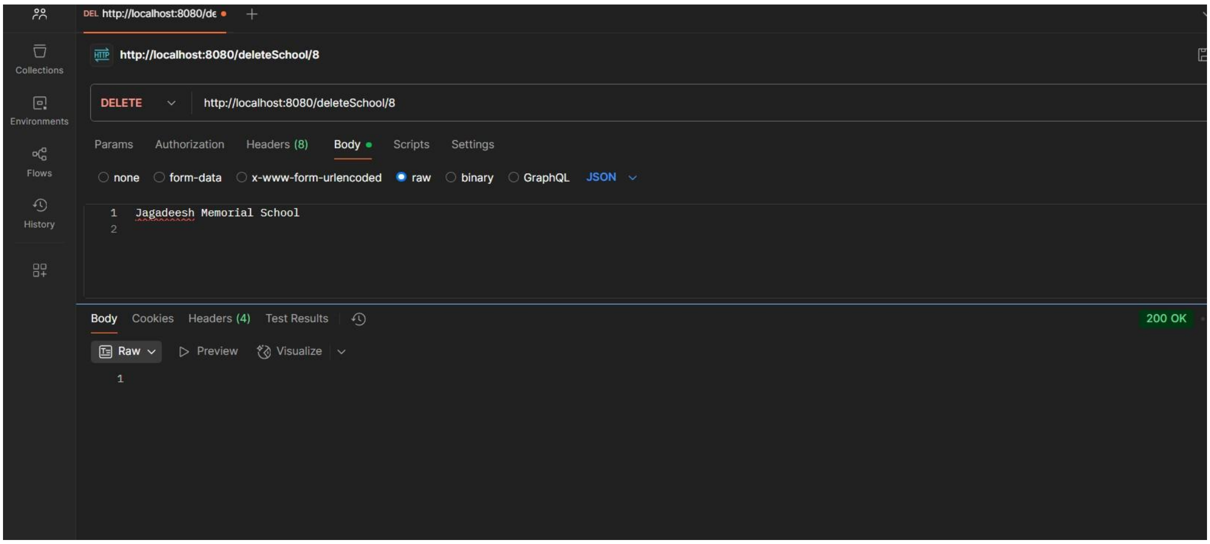
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7
8	Chennai	Jagadeesh Memorial School	8

(8 rows, 2 ms)

5. After (“/deleteSchool/{id}”)

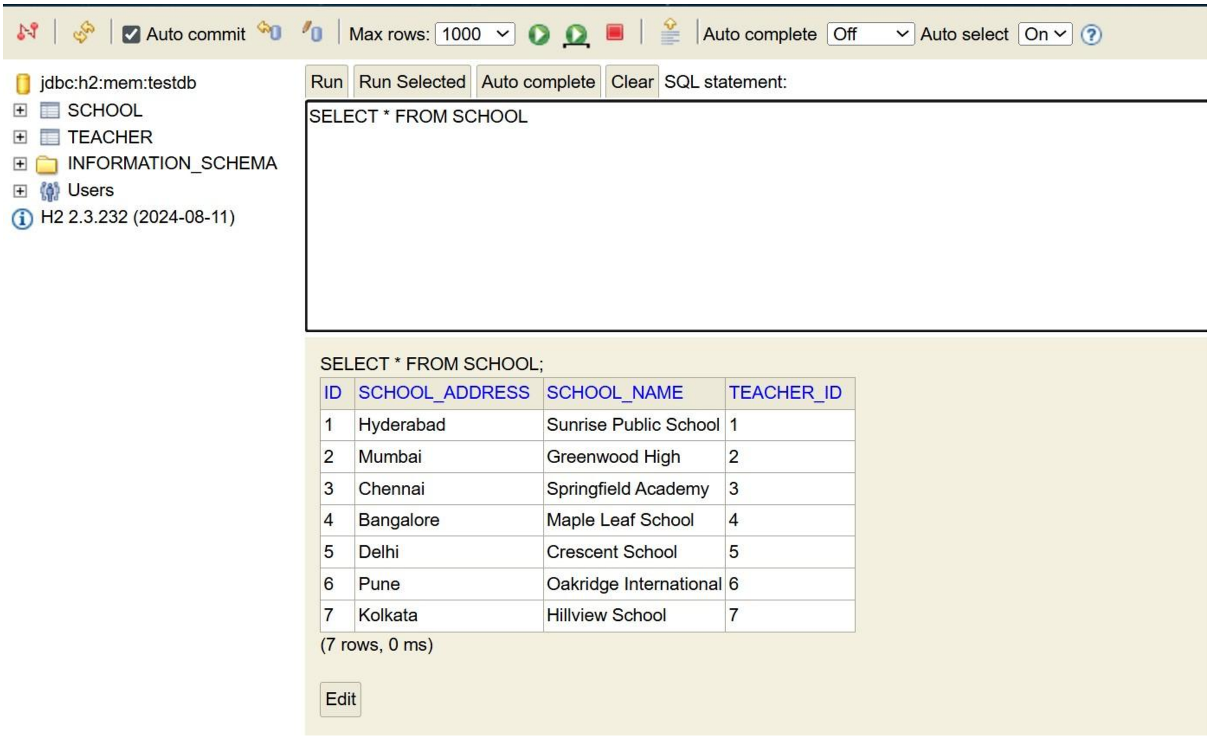


http://localhost:8080/deleteSchool/8

DELETE http://localhost:8080/deleteSchool/8

```
Jagadeesh Memorial School
```

200 OK



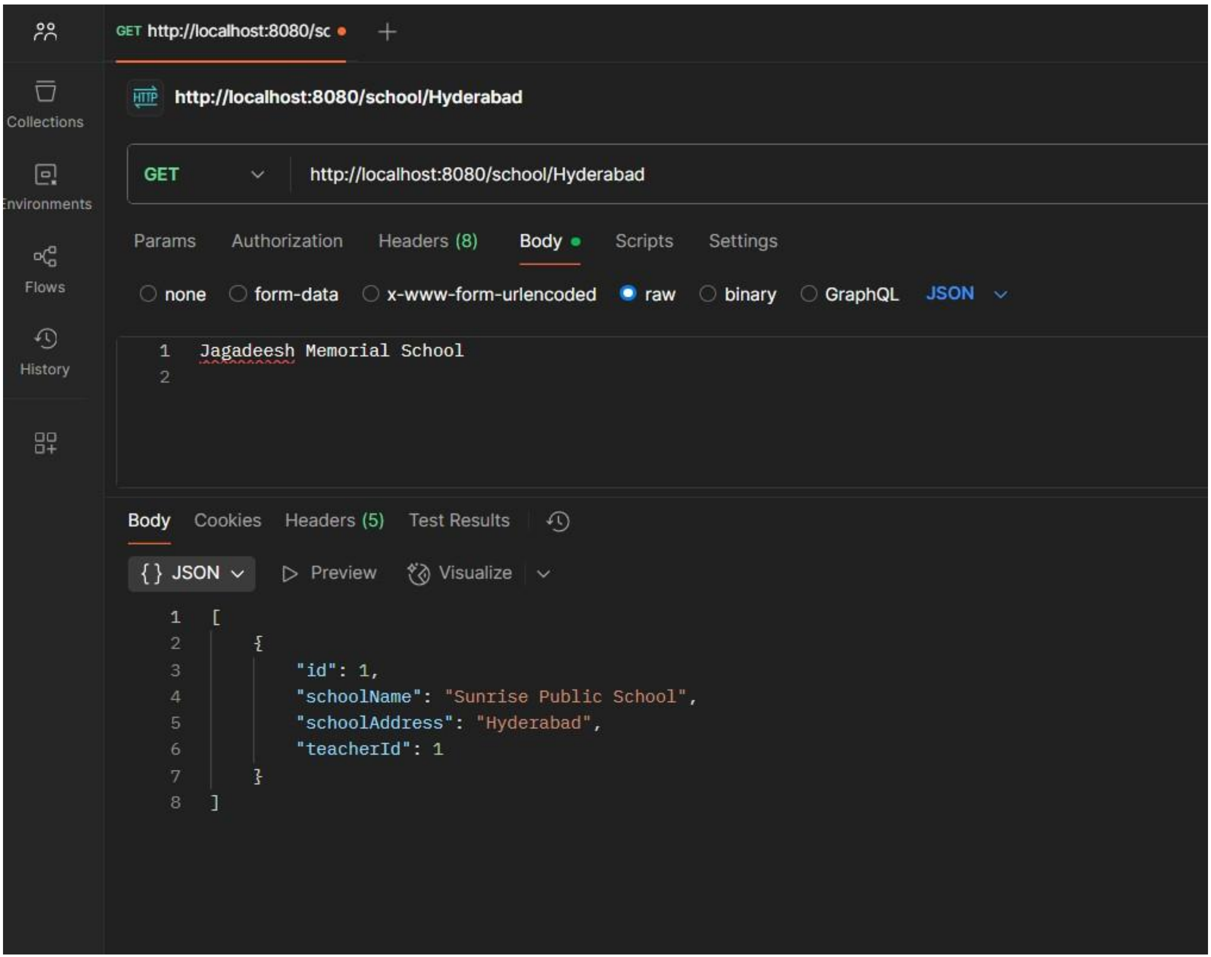
```
SELECT * FROM SCHOOL
```

SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7

(7 rows, 0 ms)

6. After (“/school/{school}



http://localhost:8080/school/Hyderabad

GET http://localhost:8080/school/Hyderabad

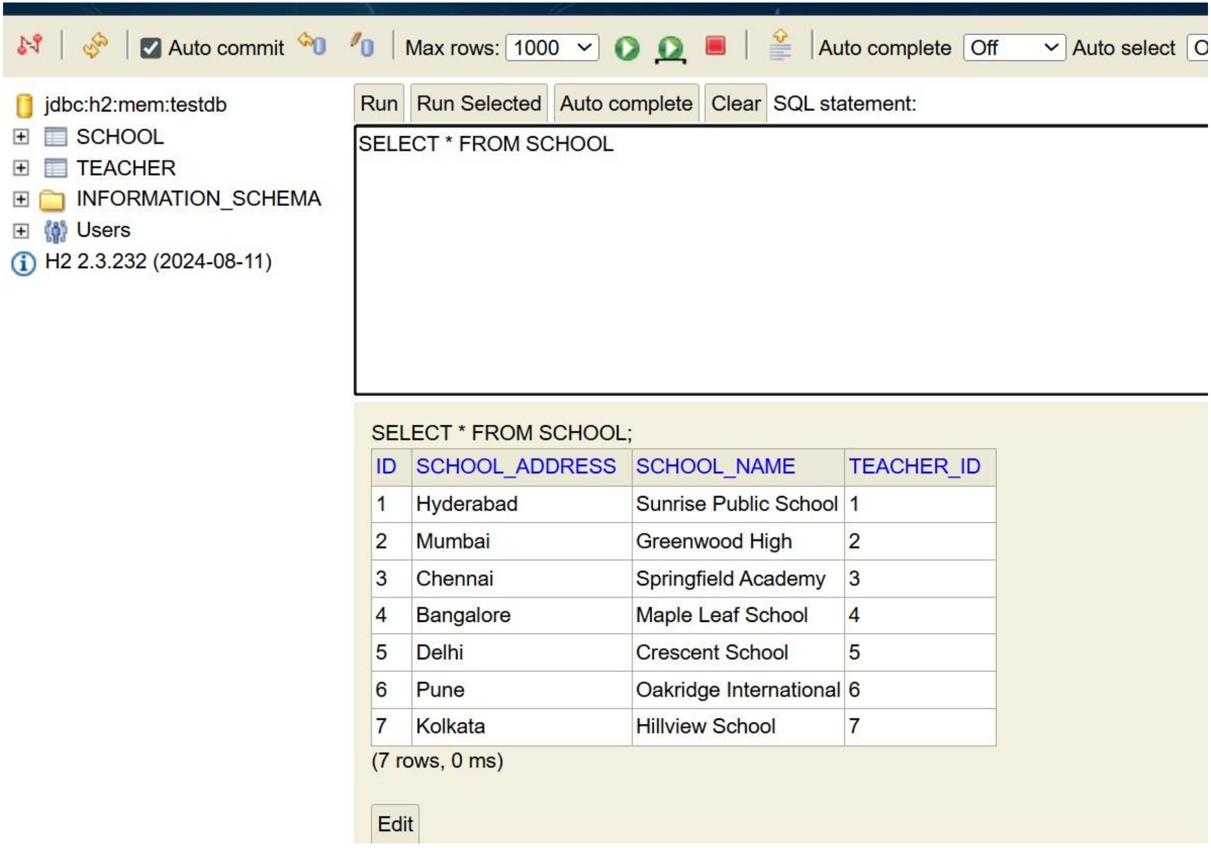
Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
Jagadeesh Memorial School

```

Body { } JSON

```
[
    {
        "id": 1,
        "schoolName": "Sunrise Public School",
        "schoolAddress": "Hyderabad",
        "teacherId": 1
    }
]
```



☑ Auto commit Max rows: 1000 Auto complete Off Auto select O

SQL statement:

```
SELECT * FROM SCHOOL
```

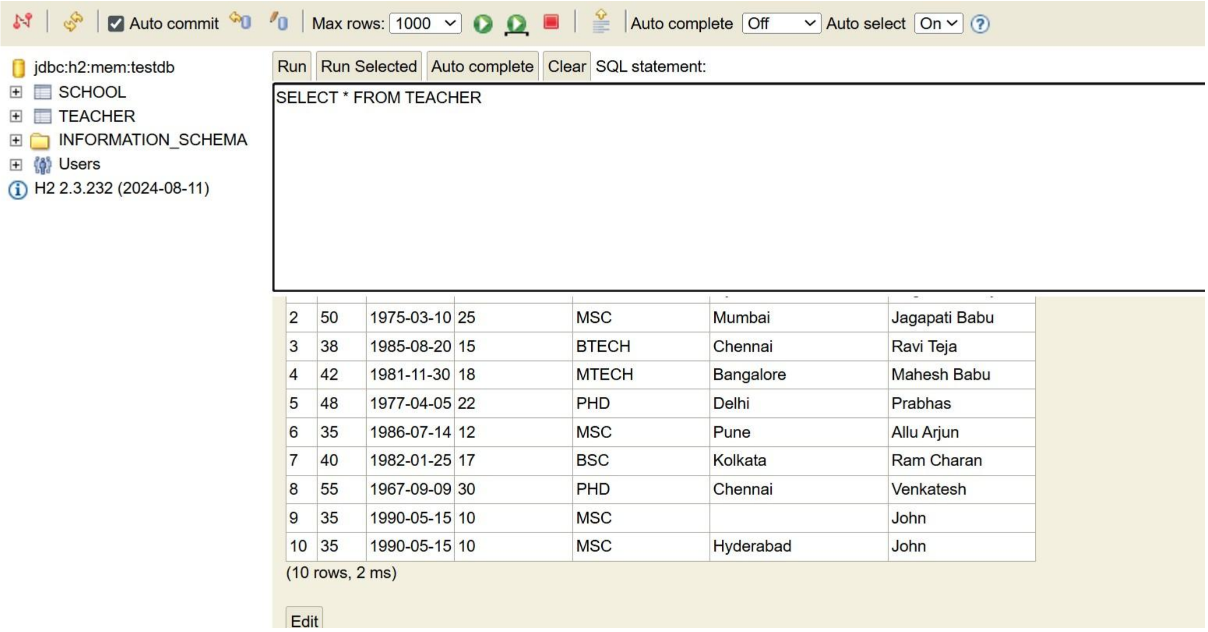
SELECT * FROM SCHOOL;

ID	SCHOOL_ADDRESS	SCHOOL_NAME	TEACHER_ID
1	Hyderabad	Sunrise Public School	1
2	Mumbai	Greenwood High	2
3	Chennai	Springfield Academy	3
4	Bangalore	Maple Leaf School	4
5	Delhi	Crescent School	5
6	Pune	Oakridge International	6
7	Kolkata	Hillview School	7

(7 rows, 0 ms)

Address}”) - GET

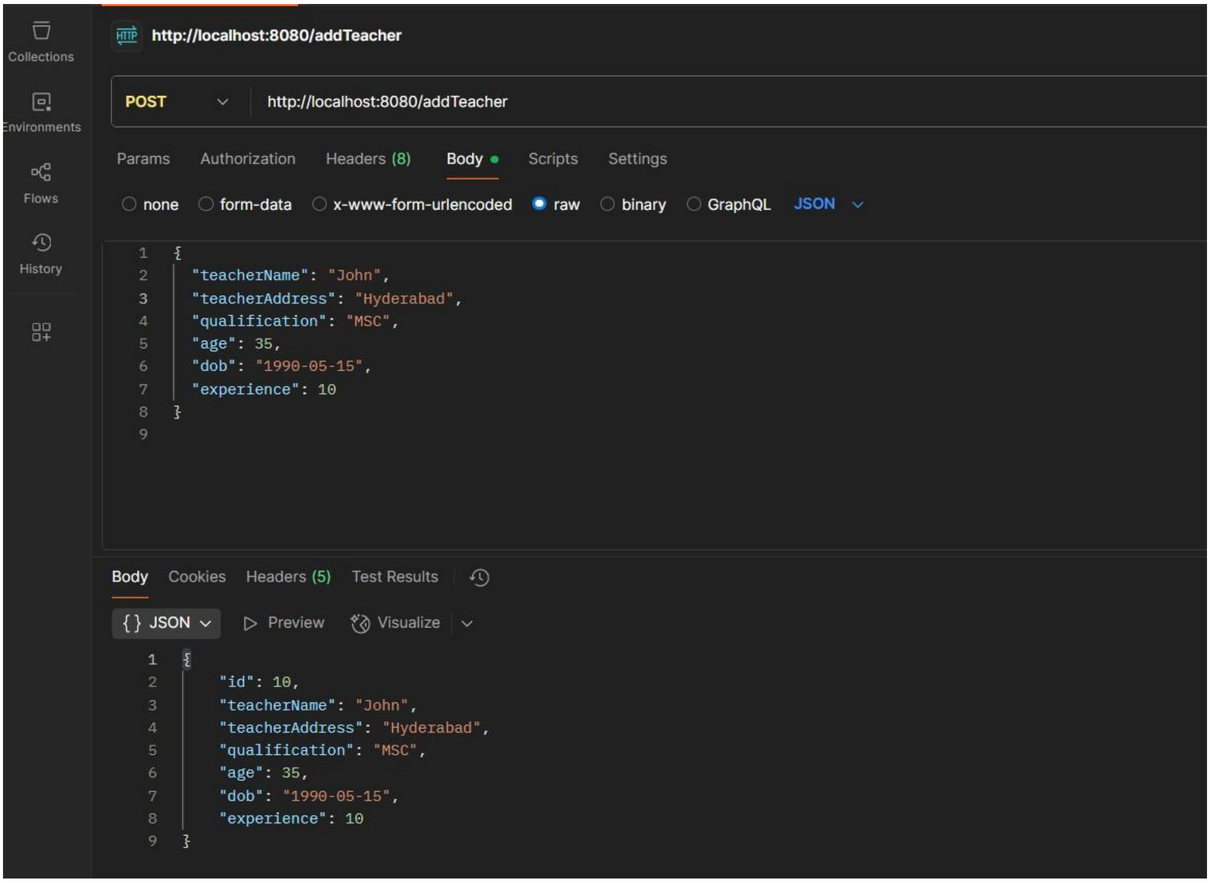
8. After(“/addTeacher”)



```
SELECT * FROM TEACHER
```

2	50	1975-03-10	25	MSC	Mumbai	Jagapati Babu
3	38	1985-08-20	15	BTECH	Chennai	Ravi Teja
4	42	1981-11-30	18	MTECH	Bangalore	Mahesh Babu
5	48	1977-04-05	22	PHD	Delhi	Prabhas
6	35	1986-07-14	12	MSC	Pune	Allu Arjun
7	40	1982-01-25	17	BSC	Kolkata	Ram Charan
8	55	1967-09-09	30	PHD	Chennai	Venkatesh
9	35	1990-05-15	10	MSC		John
10	35	1990-05-15	10	MSC	Hyderabad	John

(10 rows, 2 ms)

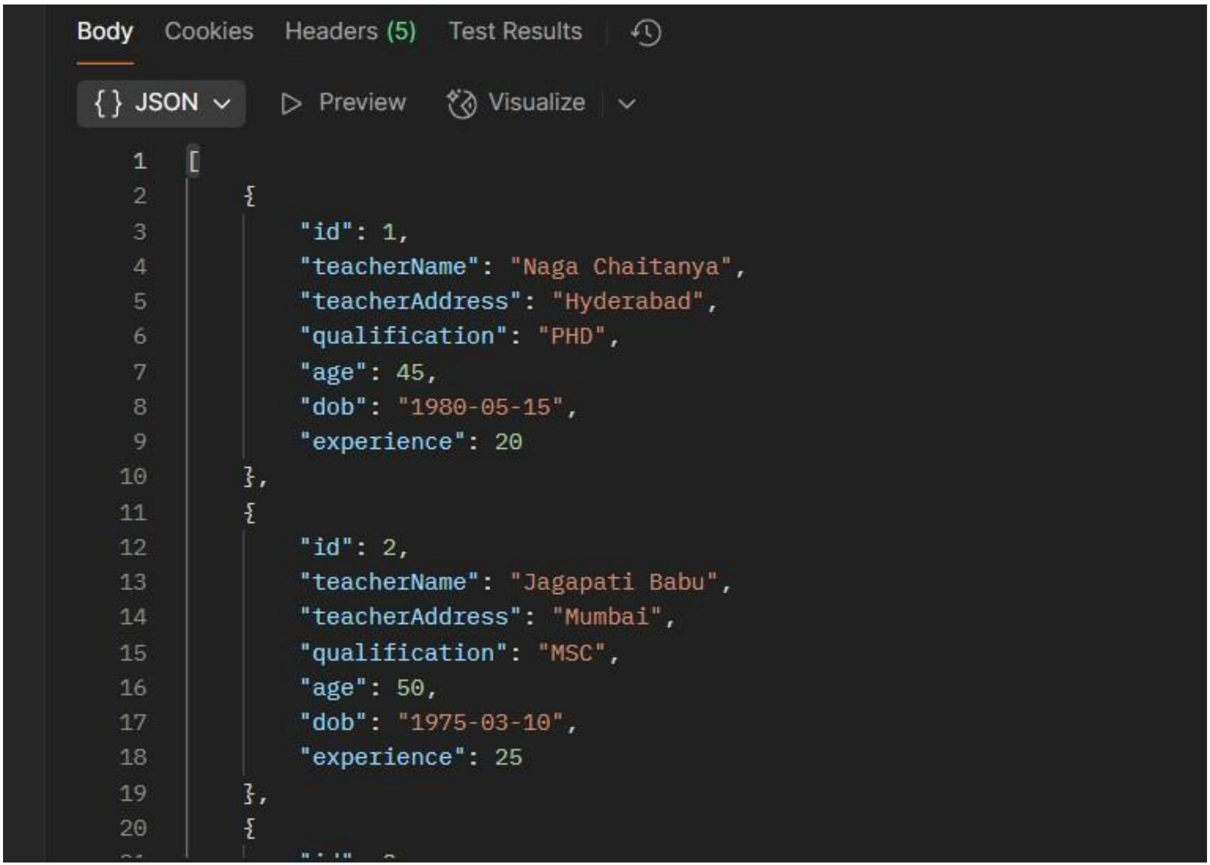


POST http://localhost:8080/addTeacher

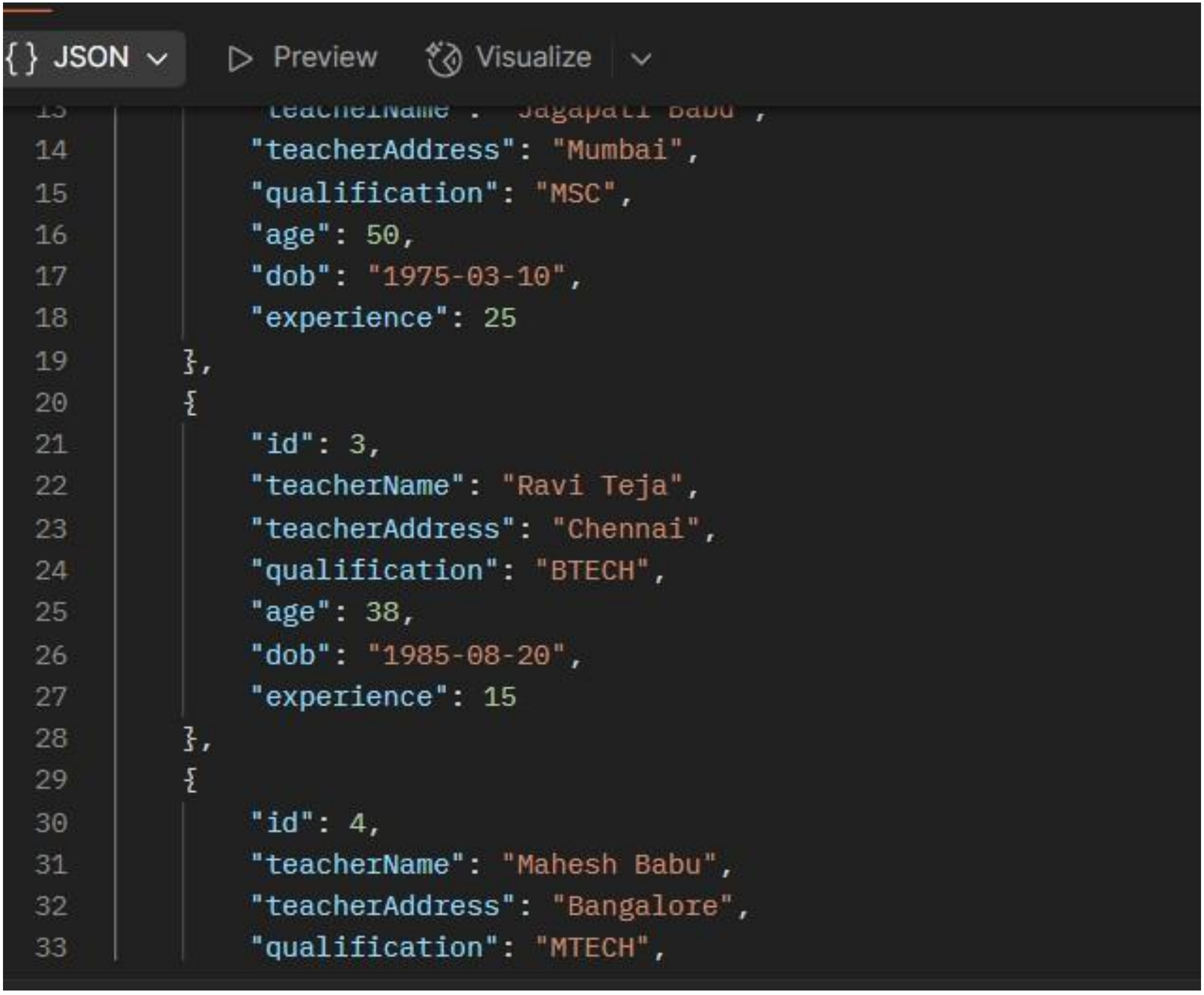
```
{
  "teacherName": "John",
  "teacherAddress": "Hyderabad",
  "qualification": "MSC",
  "age": 35,
  "dob": "1990-05-15",
  "experience": 10
}
```

```
{
    "id": 10,
    "teacherName": "John",
    "teacherAddress": "Hyderabad",
    "qualification": "MSC",
    "age": 35,
    "dob": "1990-05-15",
    "experience": 10
}
```

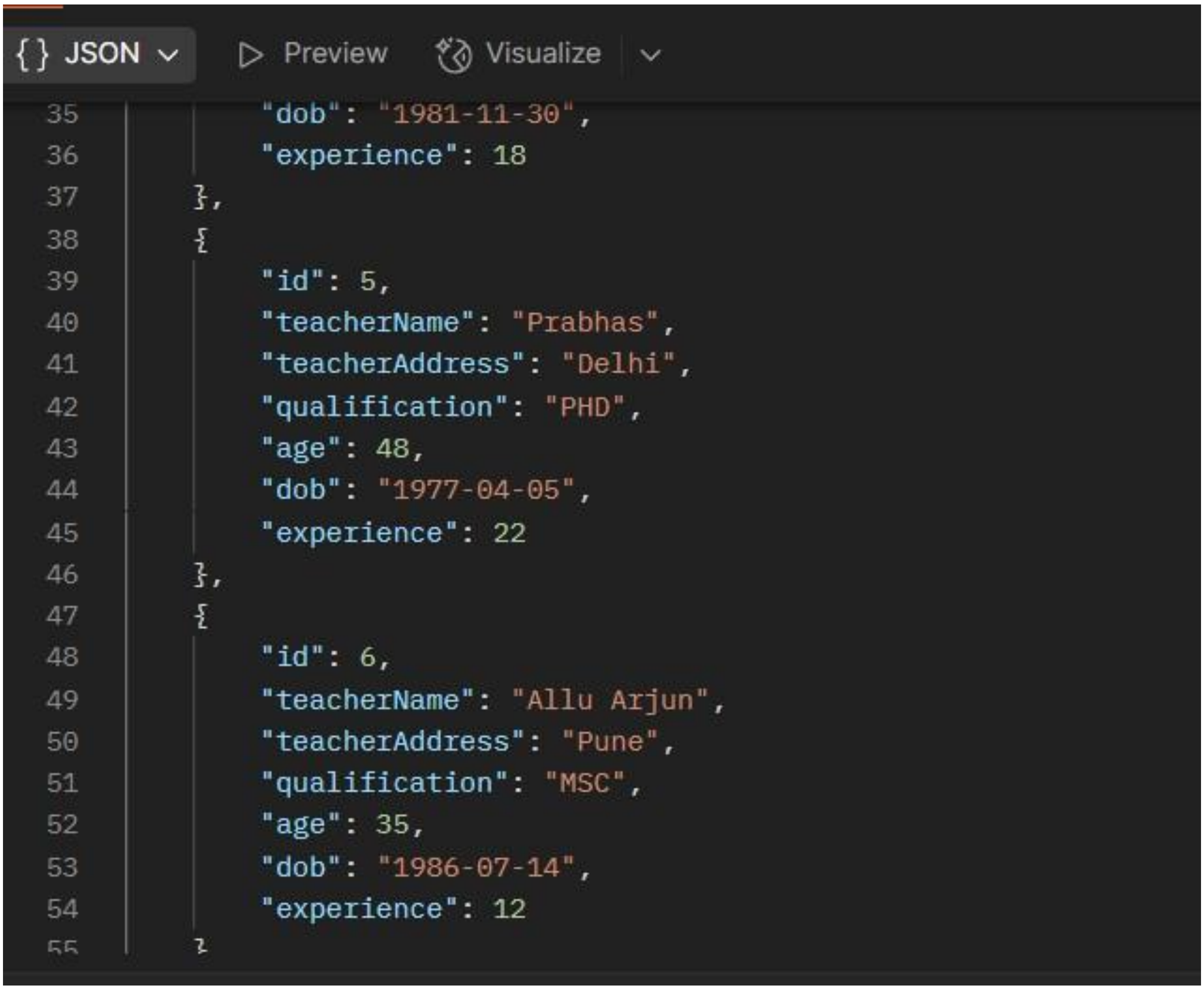
9. After (“getAllTeachers”)



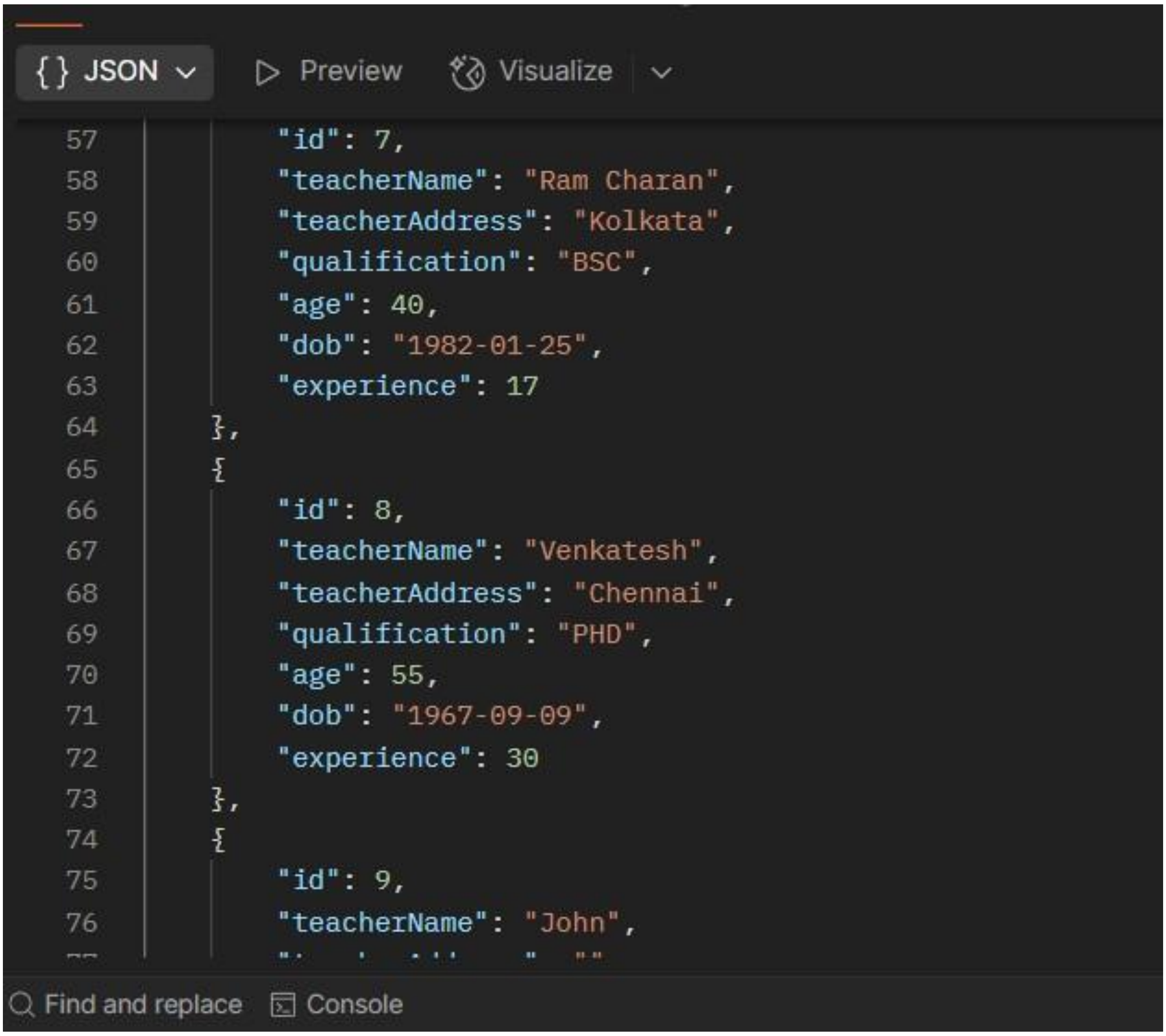
```
[
    {
        "id": 1,
        "teacherName": "Naga Chaitanya",
        "teacherAddress": "Hyderabad",
        "qualification": "PHD",
        "age": 45,
        "dob": "1980-05-15",
        "experience": 20
    },
    {
        "id": 2,
        "teacherName": "Jagapati Babu",
        "teacherAddress": "Mumbai",
        "qualification": "MSC",
        "age": 50,
        "dob": "1975-03-10",
        "experience": 25
    },
    {
```



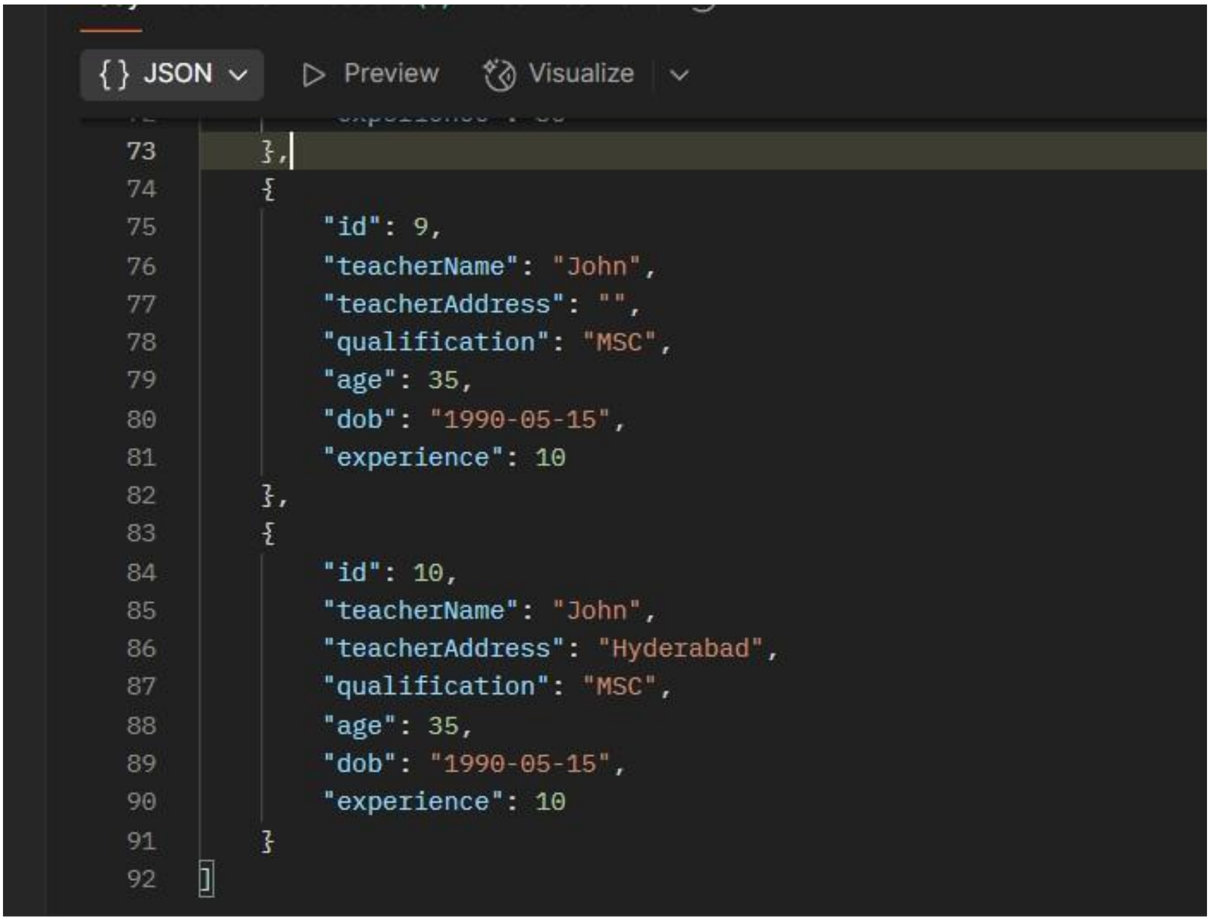
```
        "teacherName": "Jagapati Babu",
        "teacherAddress": "Mumbai",
        "qualification": "MSC",
        "age": 50,
        "dob": "1975-03-10",
        "experience": 25
    },
    {
        "id": 3,
        "teacherName": "Ravi Teja",
        "teacherAddress": "Chennai",
        "qualification": "BTECH",
        "age": 38,
        "dob": "1985-08-20",
        "experience": 15
    },
    {
        "id": 4,
        "teacherName": "Mahesh Babu",
        "teacherAddress": "Bangalore",
        "qualification": "MTECH",
```



```
        "dob": "1981-11-30",
        "experience": 18
    },
    {
        "id": 5,
        "teacherName": "Prabhas",
        "teacherAddress": "Delhi",
        "qualification": "PHD",
        "age": 48,
        "dob": "1977-04-05",
        "experience": 22
    },
    {
        "id": 6,
        "teacherName": "Allu Arjun",
        "teacherAddress": "Pune",
        "qualification": "MSC",
        "age": 35,
        "dob": "1986-07-14",
        "experience": 12
    }
```

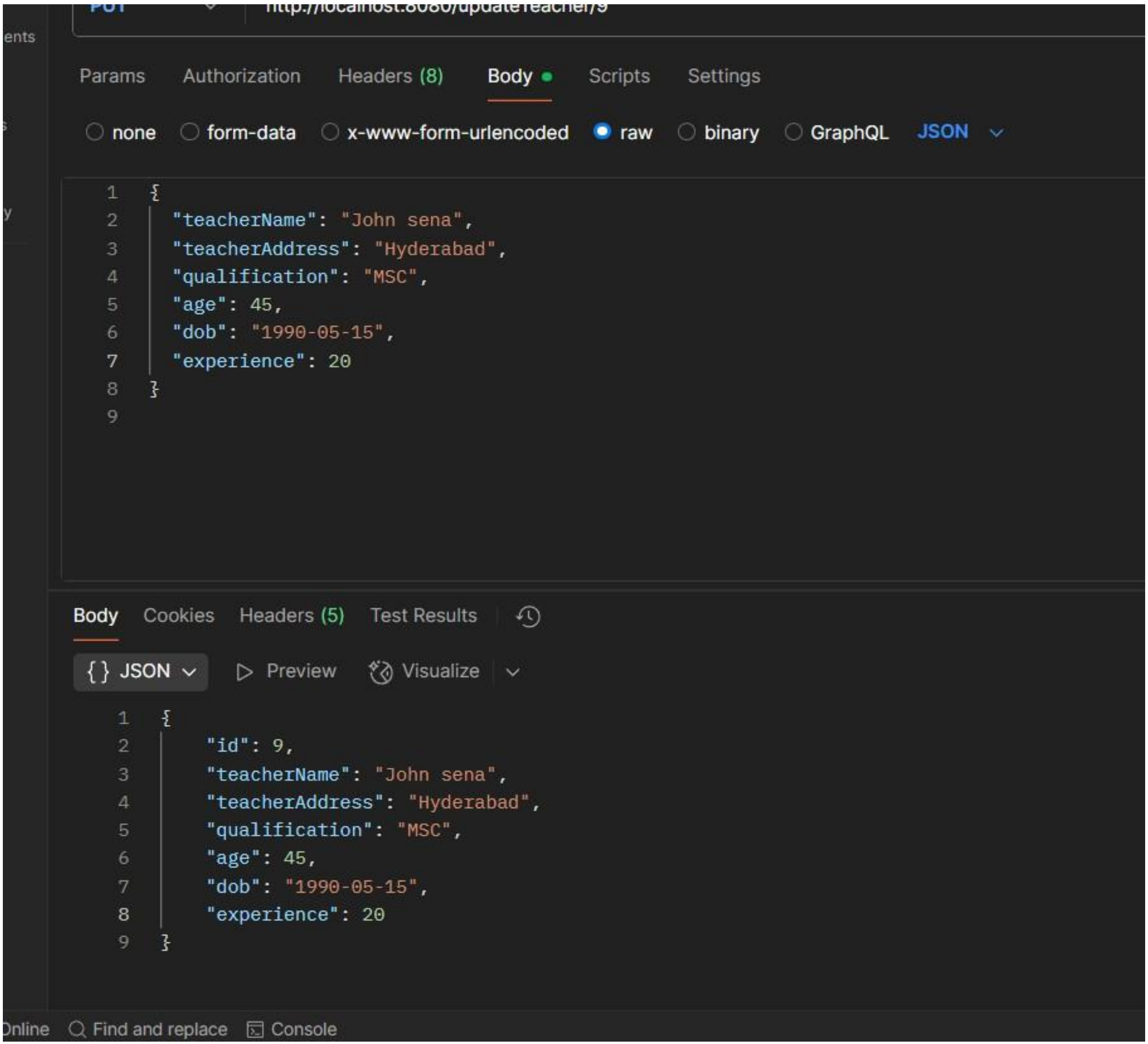


```
            "id": 7,
            "teacherName": "Ram Charan",
            "teacherAddress": "Kolkata",
            "qualification": "BSC",
            "age": 40,
            "dob": "1982-01-25",
            "experience": 17
        },
        {
            "id": 8,
            "teacherName": "Venkatesh",
            "teacherAddress": "Chennai",
            "qualification": "PHD",
            "age": 55,
            "dob": "1967-09-09",
            "experience": 30
        },
        {
            "id": 9,
            "teacherName": "John",
```



```
    },
    {
        "id": 9,
        "teacherName": "John",
        "teacherAddress": "",
        "qualification": "MSC",
        "age": 35,
        "dob": "1990-05-15",
        "experience": 10
    },
    {
        "id": 10,
        "teacherName": "John",
        "teacherAddress": "Hyderabad",
        "qualification": "MSC",
        "age": 35,
        "dob": "1990-05-15",
        "experience": 10
    }
]
```

10. After (“"/updateTeacher/{id}"”)



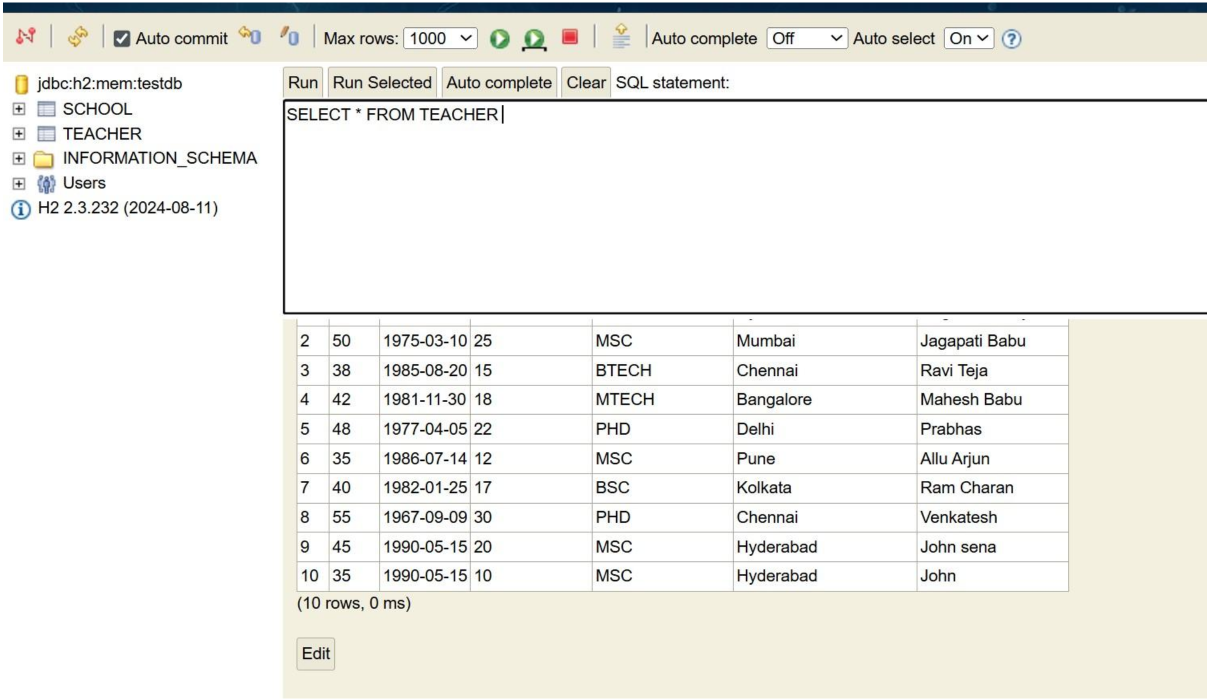
PUT http://localhost:8080/updateTeacher/9

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

```
{
  "teacherName": "John sena",
  "teacherAddress": "Hyderabad",
  "qualification": "MSC",
  "age": 45,
  "dob": "1990-05-15",
  "experience": 20
}
```

{ } JSON

```
{
    "id": 9,
    "teacherName": "John sena",
    "teacherAddress": "Hyderabad",
    "qualification": "MSC",
    "age": 45,
    "dob": "1990-05-15",
    "experience": 20
}
```



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

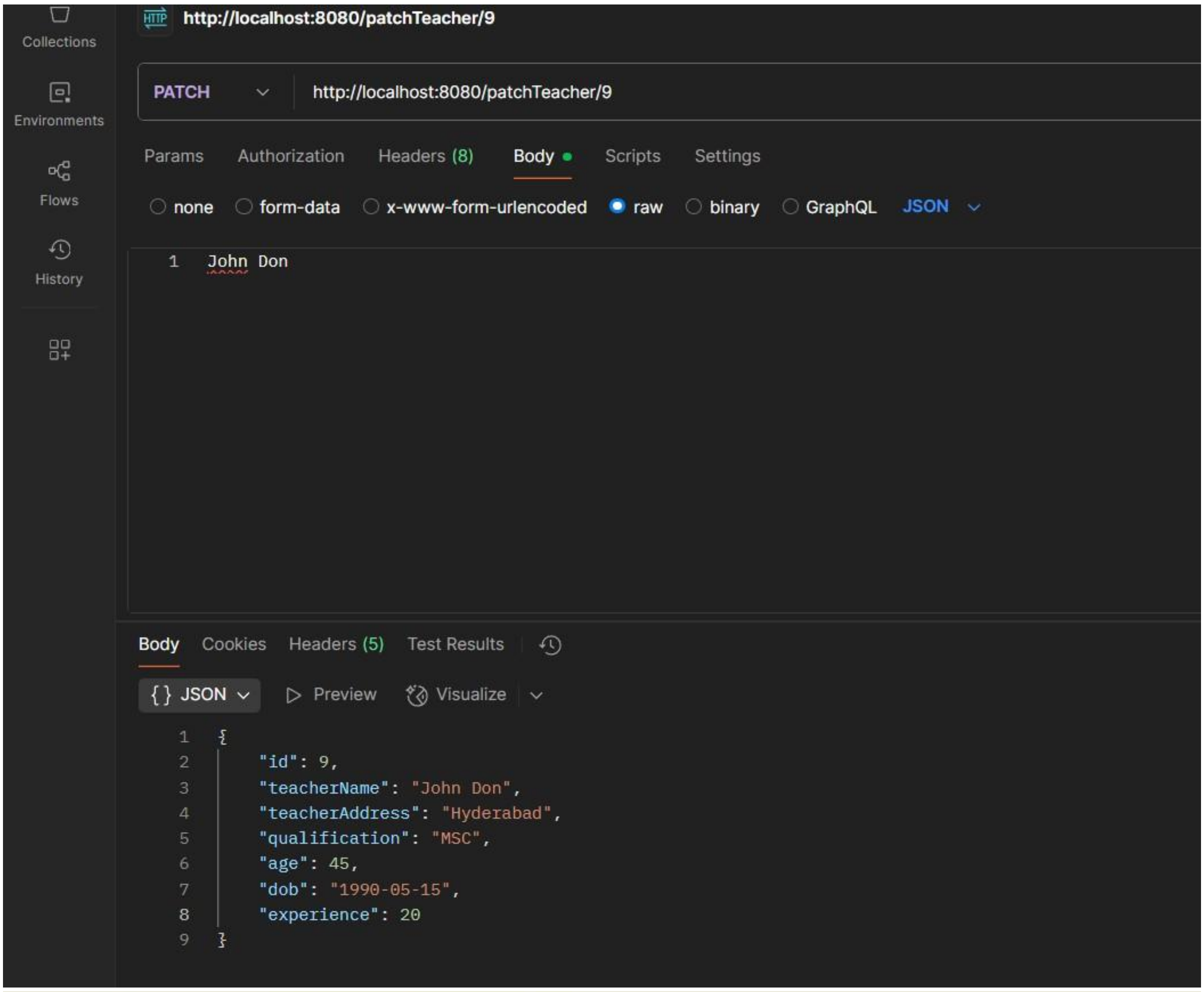
SQL statement:

```
SELECT * FROM TEACHER
```

2	50	1975-03-10	25	MSC	Mumbai	Jagapati Babu
3	38	1985-08-20	15	BTECH	Chennai	Ravi Teja
4	42	1981-11-30	18	MTECH	Bangalore	Mahesh Babu
5	48	1977-04-05	22	PHD	Delhi	Prabhas
6	35	1986-07-14	12	MSC	Pune	Allu Arjun
7	40	1982-01-25	17	BSC	Kolkata	Ram Charan
8	55	1967-09-09	30	PHD	Chennai	Venkatesh
9	45	1990-05-15	20	MSC	Hyderabad	John sena
10	35	1990-05-15	10	MSC	Hyderabad	John

(10 rows, 0 ms)

11. After ("/patchTeacher/{id}")



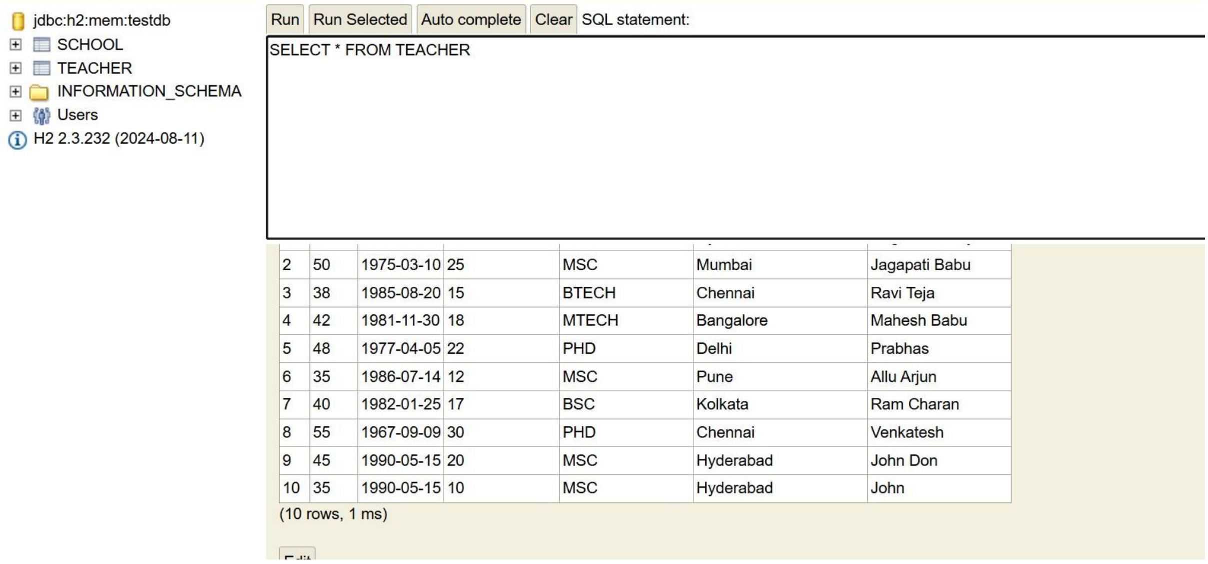
http://localhost:8080/patchTeacher/9

PATCH http://localhost:8080/patchTeacher/9

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

```
John Don
```

```
{
    "id": 9,
    "teacherName": "John Don",
    "teacherAddress": "Hyderabad",
    "qualification": "MSC",
    "age": 45,
    "dob": "1990-05-15",
    "experience": 20
}
```



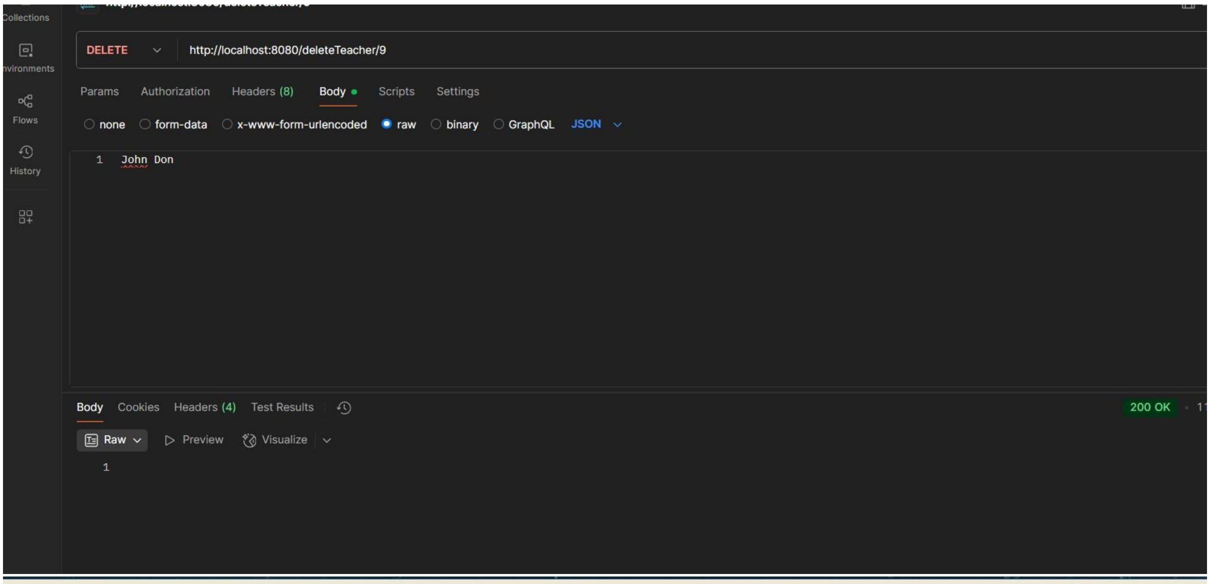
SQL statement:

```
SELECT * FROM TEACHER
```

2	50	1975-03-10	25	MSC	Mumbai	Jagapati Babu
3	38	1985-08-20	15	BTECH	Chennai	Ravi Teja
4	42	1981-11-30	18	MTECH	Bangalore	Mahesh Babu
5	48	1977-04-05	22	PHD	Delhi	Prabhas
6	35	1986-07-14	12	MSC	Pune	Allu Arjun
7	40	1982-01-25	17	BSC	Kolkata	Ram Charan
8	55	1967-09-09	30	PHD	Chennai	Venkatesh
9	45	1990-05-15	20	MSC	Hyderabad	John Don
10	35	1990-05-15	10	MSC	Hyderabad	John

(10 rows, 1 ms)

12. After(“/deleteTeacher/{id}”)

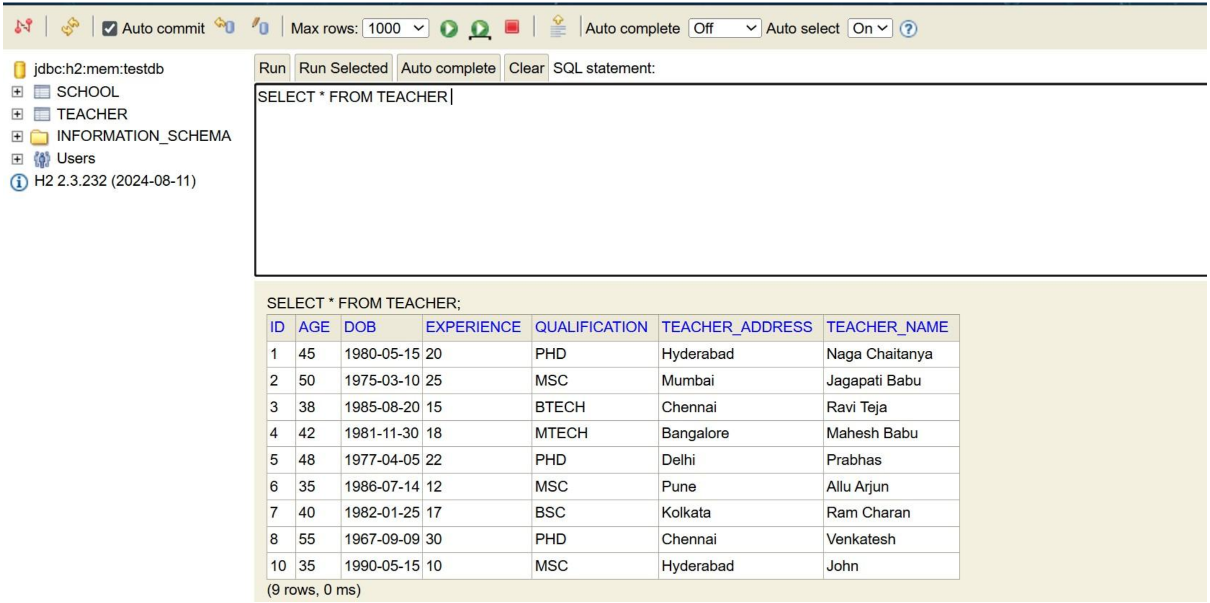


DELETE http://localhost:8080/deleteTeacher/9

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

```
John Don
```

Body Raw — 200 OK



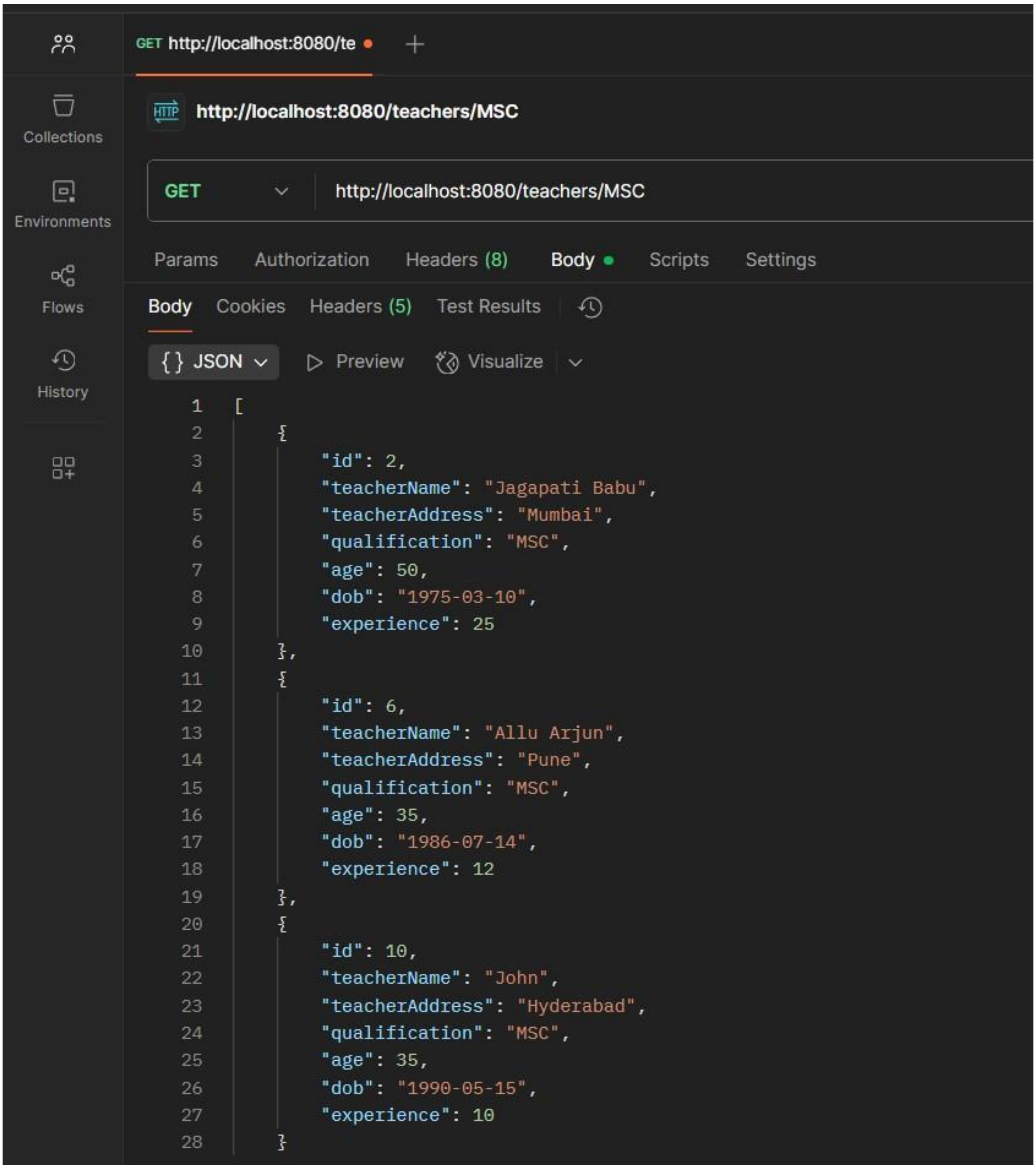
```
SELECT * FROM TEACHER
```

SELECT * FROM TEACHER;

ID	AGE	DOB	EXPERIENCE	QUALIFICATION	TEACHER_ADDRESS	TEACHER_NAME
1	45	1980-05-15	20	PHD	Hyderabad	Naga Chaitanya
2	50	1975-03-10	25	MSC	Mumbai	Jagapati Babu
3	38	1985-08-20	15	BTECH	Chennai	Ravi Teja
4	42	1981-11-30	18	MTECH	Bangalore	Mahesh Babu
5	48	1977-04-05	22	PHD	Delhi	Prabhas
6	35	1986-07-14	12	MSC	Pune	Allu Arjun
7	40	1982-01-25	17	BSC	Kolkata	Ram Charan
8	55	1967-09-09	30	PHD	Chennai	Venkatesh
10	35	1990-05-15	10	MSC	Hyderabad	John

(9 rows, 0 ms)

13. After (“/teachers/{qualification}”)



GET http://localhost:8080/teachers/MSC

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[
    {
        "id": 2,
        "teacherName": "Jagapati Babu",
        "teacherAddress": "Mumbai",
        "qualification": "MSC",
        "age": 50,
        "dob": "1975-03-10",
        "experience": 25
    },
    {
        "id": 6,
        "teacherName": "Allu Arjun",
        "teacherAddress": "Pune",
        "qualification": "MSC",
        "age": 35,
        "dob": "1986-07-14",
        "experience": 12
    },
    {
        "id": 10,
        "teacherName": "John",
        "teacherAddress": "Hyderabad",
        "qualification": "MSC",
        "age": 35,
        "dob": "1990-05-15",
        "experience": 10
    }
```