Name:-Komal Sudhakar Baviskar
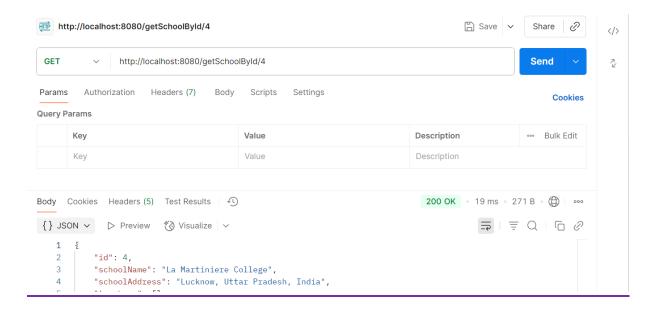
School Application Backend Web Service

School Entity Crud Operations:

1.Add new School:


```
HTTP  http://localhost:8080/addNewSchool                    Save  v    Share  🔗    </>

POST  v    http://localhost:8080/addNewSchool                          Send  v

Params  Authorization  Headers (9)  Body ●  Scripts  Settings            Cookies

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

1  {
2      "schoolName": "Delhi Public School",
3      "schoolAddress": "Delhi, India"
4  }

Body  Cookies  Headers (5)  Test Results              200 OK · 34 ms · 254 B · ⊕  ⚬⚬⚬

{} JSON v   ▷ Preview   Visualize  v

1  {
2      "id": 7,
3      "schoolName": "Delhi Public School",
4      "schoolAddress": "Delhi, India",
```

2.Get School By Id:

http://localhost:8080/getSchoolById/4

Save ▾   Share 🔗   </>

GET ▾   http://localhost:8080/getSchoolById/4   **Send** ▾   ⇅

Params   Authorization   Headers (7)   Body   Scripts   Settings   Cookies

Query Params

	Key	Value	Description	∘∘∘ Bulk Edit
	Key	Value	Description	

Body   Cookies   Headers (5)   Test Results   ↻   200 OK · 19 ms · 271 B · 🌐 ∘∘∘

{ } JSON ▾   ▷ Preview   ⚡ Visualize ▾   ⇥ ≡ 🔍 ⧉ 🔗

```
1   {
2       "id": 4,
3       "schoolName": "La Martiniere College",
4       "schoolAddress": "Lucknow, Uttar Pradesh, India",
```

3.Update:

http://localhost:8080/patchUpdateSchoolById/2

Save ▾   Share 🔗   </>

PATCH ▾   http://localhost:8080/patchUpdateSchoolById/2   **Send** ▾   ⇅

Params   Authorization   Headers (9)   Body ●   Scripts   Settings   Cookies

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

```
1   {
2       "schoolAddress": "Chennai, India"
```

Body   Cookies   Headers (5)   Test Results   ↻   200 OK · 42 ms · 575 B · 🌐 ∘∘∘

{ } JSON ▾   ▷ Preview   ⚡ Visualize ▾   ⇥ ≡ 🔍 ⧉ 🔗

```
1    {
2        "id": 2,
3        "schoolName": "St. Xavier's High School",
4        "schoolAddress": "Chennai, India",
5        "teachers": [
6            {
7                "id": 2,
8                "teacherName": "Priya Nair",
9                "teacherAddress": "Bangalore, India",
10               "qualification": "M.A English",
11               "age": 35,
12               "dob": "1990-08-22",
13               "experience": 10,
14               "schoolId": 2
```

4.Delete:


```
http://localhost:8080/deleteSchoolById/7
```

DELETE | http://localhost:8080/deleteSchoolById/7 | Send

Params Authorization Headers (7) Body Scripts Settings   Cookies

Query Params

	Key	Value	Description	Bulk Edit
	Key	Value	Description	

Body Cookies Headers (4) Test Results   200 OK • 40 ms • 123 B

Raw ▷ Preview Visualize

1

Delete with Id 7 From the Database:

```
mysql> select * from school_db;
+----+-------------------------------------+--------------------------+
| id | school_address                      | school_name              |
+----+-------------------------------------+--------------------------+
|  1 | Delhi, India                        | Delhi Public School      |
|  2 | Chennai, India                      | St. Xavier's High School |
|  3 | Bangalore, Karnataka, India         | National Public School   |
|  4 | Lucknow, Uttar Pradesh, India       | La Martiniere College    |
|  5 | Barakhamba Road, New Delhi, India   | Modern School            |
|  6 | Pune, Maharashtra, India            | DAV Public School        |
+----+-------------------------------------+--------------------------+
6 rows in set (0.00 sec)
```

5.Get school by Name:

http://localhost:8080/checkSchoolByName/National Public School   💾 Save ⌄   Share 🔗

GET ⌄   http://localhost:8080/checkSchoolByName/National Public School   **Send** ⌄

Params Authorization Headers (7) Body Scripts Settings   Cookies

Query Params

	Key	Value	Description	∘∘∘ Bulk Edit
	Key	Value	Description	

Body Cookies Headers (5) Test Results 🕘   200 OK • 12 ms • 272 B ⊕ ∘∘∘

{} JSON ⌄   ▷ Preview   Visualize ⌄

```
1  {
2      "id": 3,
3      "schoolName": "National Public School",
4      "schoolAddress": "Bangalore, Karnataka, India",
```

Teacher Entity Crud Operations:

1.Add New Teacher:

http://localhost:8080/addNewTeacher   💾 Save ⌄   Share 🔗

POST ⌄   http://localhost:8080/addNewTeacher   **Send** ⌄

Params Authorization Headers (9) Body ● Scripts Settings   Cookies

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

```
1  {
2    "teacherName": "Komal Baviskar",
3    "teacherAddress": "Delhi, India",
4    "qualification": "M.Sc Physics",
5    "age": 23,
6    "dob": "1985-05-15",
7    "experience": 15,
8    "schoolId": 1
```

Body Cookies Headers (5) Test Results 🕘   200 OK • 236 ms • 323 B ⊕ ∘∘∘

{} JSON ⌄   ▷ Preview   Visualize ⌄

```
1  {
2      "id": 1,
3      "teacherName": "Komal Baviskar",
4      "teacherAddress": "Delhi, India",
5      "qualification": "M.Sc Physics",
6      "age": 23,
7      "dob": "1985-05-15",
8      "experience": 15,
```

2.Get Teacher By ID:

http://localhost:8080/getTeacherById/1

Save ⌄   Share 🔗

GET ⌄   http://localhost:8080/getTeacherById/1   **Send** ⌄

Params   Authorization   Headers (7)   Body   Scripts   Settings   Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body   Cookies   Headers (5)   Test Results   🕓   **200 OK** • 50 ms • 323 B • 🌐 ⚬⚬⚬

{} JSON ⌄   ▷ Preview   Visualize ⌄

```
1  {
2      "id": 1,
3      "teacherName": "Komal Baviskar",
4      "teacherAddress": "Delhi, India",
5      "qualification": "M.Sc Physics",
6      "age": 23,
7      "dob": "1985-05-15",
8      "experience": 15,
9      "schoolId": 1
10 }
```

3.Update Teacher By ID:

http://localhost:8080/patchUpdateTeacherById/1

Save ⌄   Share 🔗

PATCH ⌄   http://localhost:8080/patchUpdateTeacherById/1   **Send** ⌄

Params   Authorization   Headers (9)   Body ●   Scripts   Settings   Cookies

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

```
1  {
2    "qualification": "PhD in Physics",
3    "experience": 20
4  }
```

Body   Cookies   Headers (5)   Test Results   🕓   **200 OK** • 42 ms • 325 B • 🌐 ⚬⚬⚬

{} JSON ⌄   ▷ Preview   Visualize ⌄

```
1  {
2      "id": 1,
3      "teacherName": "Komal Baviskar",
4      "teacherAddress": "Delhi, India",
5      "qualification": "PhD in Physics",
6      "age": 23,
7      "dob": "1985-05-15",
8      "experience": 20,
9      "schoolId": 1
10 }
```

4.Delete Teacher By ID:

Before:

```
mysql> select * from  teacher_db;
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
| id | age | dob        | experience | qualification    | school_id | teacher_address | teacher_name    |
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
|  1 |  23 | 1985-05-15 |         20 | PhD in Physics   |         1 | Delhi, India    | Komal Baviskar  |
|  2 |  35 | 1990-08-22 |         10 | M.A English      |         2 | Bangalore, India| Priya Nair      |
|  3 |  45 | 1980-11-12 |         20 | B.Ed Mathematics |         1 | Hyderabad, India| Ravi Kumar      |
|  4 |  38 | 1987-01-19 |         12 | M.Sc Chemistry   |         3 | Mumbai, India   | Sunita Mehta    |
|  5 |  50 | 1975-06-10 |         25 | M.A History      |         2 | Chennai, India  | Arjun Verma     |
|  6 |  32 | 1993-09-05 |          8 | M.Sc Biology     |         3 | Lucknow, India  | Neha Gupta      |
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
6 rows in set (0.00 sec)
```

After:

```
mysql> select * from  teacher_db;
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
| id | age | dob        | experience | qualification    | school_id | teacher_address | teacher_name    |
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
|  1 |  23 | 1985-05-15 |         20 | PhD in Physics   |         1 | Delhi, India    | Komal Baviskar  |
|  2 |  35 | 1990-08-22 |         10 | M.A English      |         2 | Bangalore, India| Priya Nair      |
|  3 |  45 | 1980-11-12 |         20 | B.Ed Mathematics |         1 | Hyderabad, India| Ravi Kumar      |
|  4 |  38 | 1987-01-19 |         12 | M.Sc Chemistry   |         3 | Mumbai, India   | Sunita Mehta    |
|  5 |  50 | 1975-06-10 |         25 | M.A History      |         2 | Chennai, India  | Arjun Verma     |
+----+-----+------------+------------+------------------+-----------+-----------------+-----------------+
5 rows in set (0.00 sec)
```

Postman Payload:

http://localhost:8080/deleteTeacherById/6

Save   Share   </>

| DELETE ∨ | http://localhost:8080/deleteTeacherById/6 | Send ∨ |

Params   Authorization   Headers (7)   Body   Scripts   Settings   Cookies

Query Params

	Key	Value	Description	∘∘∘ Bulk Edit
	Key	Value	Description	

Body   Cookies   Headers (4)   Test Results   200 OK • 605 ms • 123 B

Raw ∨   ▷ Preview   Visualize ∨

1

5.Check Teacher By Name:

http://localhost:8080/checkTeachersByName/Komal Baviskar

Save | Share

GET | http://localhost:8080/checkTeachersByName/Komal Baviskar | Send

Params | Authorization | Headers (7) | Body | Scripts | Settings | Cookies

Query Params

	Key	Value	Description	ooo Bulk Edit
	Key	Value	Description	

Body | Cookies | Headers (5) | Test Results | 200 OK · 9 ms · 327 B

{} JSON | ▷ Preview | Visualize

```json
1  [
2      {
3          "id": 1,
4          "teacherName": "Komal Baviskar",
5          "teacherAddress": "Delhi, India",
6          "qualification": "PhD in Physics",
7          "age": 23,
8          "dob": "1985-05-15",
9          "experience": 20,
10         "schoolId": 1
11     }
12  ]
```

5.Get All Teachers (Pagination):

http://localhost:8080/getAllTeachersPage?page=0&size=5

Save | Share

GET | http://localhost:8080/getAllTeachersPage?page=0&size=5 | Send

Params ● | Authorization | Headers (7) | Body | Scripts | Settings | Cookies

Body | Cookies | Headers (5) | Test Results | 200 OK · 66 ms · 1.25 KB

{} JSON | ▷ Preview | Visualize

```json
45          "teacherName": "Arjun Verma",
46          "teacherAddress": "Chennai, India",
47          "qualification": "M.A History",
48          "age": 50,
49          "dob": "1975-06-10",
50          "experience": 25,
51          "schoolId": 2
52      }
53  ],
54  "pageable": {
55      "pageNumber": 0,
56      "pageSize": 5,
57      "sort": {
58          "empty": true,
59          "sorted": false,
60          "unsorted": true
61      },
62      "offset": 0,
63      "paged": true,
```

Postbot | Runner | Start Proxy | Cookies | Vault | Trash