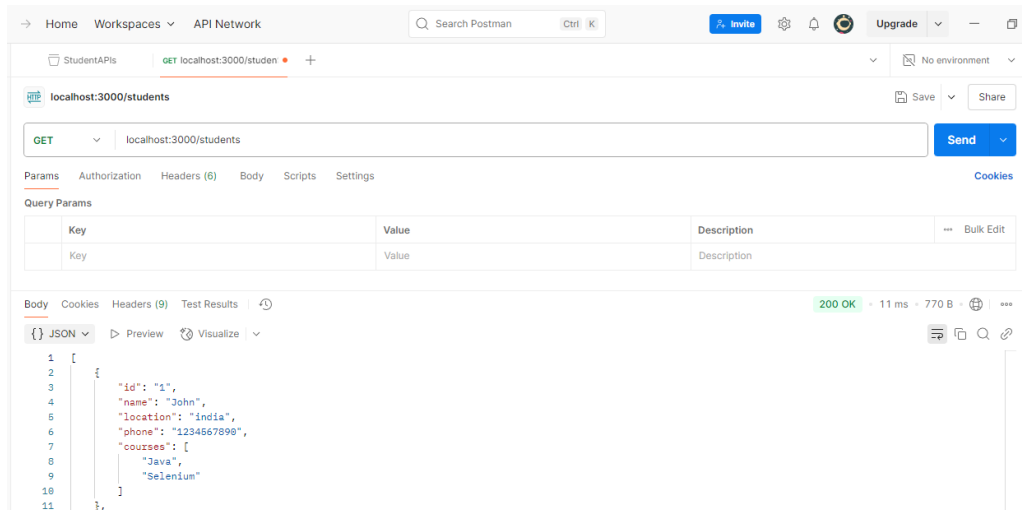


# Practicas API REST con Postman - CRUD Estudiantes

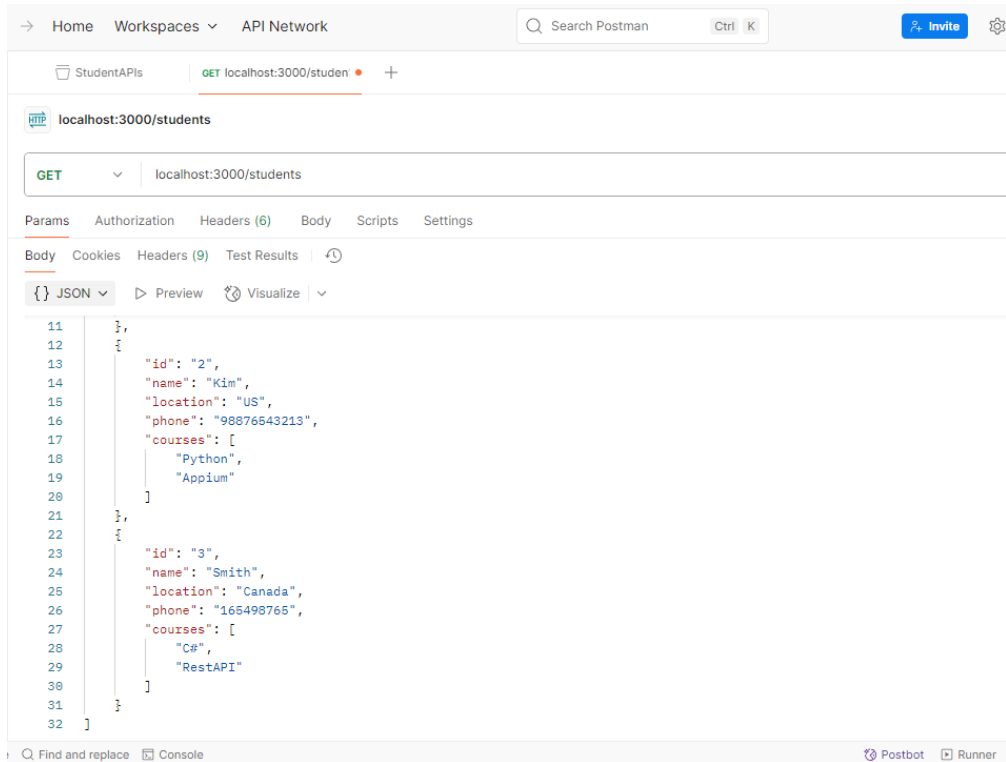
Este documento contiene prácticas de prueba API REST realizadas con Postman, simulando un sistema de gestión de estudiantes.

## 1. Consultar lista de estudiantes (GET)



Postman interface showing a GET request to `localhost:3000/students`. The response is a 200 OK status with a JSON body containing one student record.

```
{
  "id": "1",
  "name": "John",
  "location": "india",
  "phone": "1234567890",
  "courses": [
    "Java",
    "Selenium"
  ]
}
```



Postman interface showing a GET request to `localhost:3000/students`. The response is a 200 OK status with a JSON body containing three student records.

```
[
  {
    "id": "1",
    "name": "John",
    "location": "india",
    "phone": "1234567890",
    "courses": [
      "Java",
      "Selenium"
    ]
  },
  {
    "id": "2",
    "name": "Kim",
    "location": "US",
    "phone": "98876543213",
    "courses": [
      "Python",
      "Appium"
    ]
  },
  {
    "id": "3",
    "name": "Smith",
    "location": "Canada",
    "phone": "165498765",
    "courses": [
      "C#",
      "RestAPI"
    ]
  }
]
```

## 2. Crear un estudiante con tu nombre (POST)

StudentAPIs POST localhost:3000/studen + No environment

localhost:3000/students Save Share

POST localhost:3000/students Send

Params Authorization Headers (8) Body Scripts Settings Cookies

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

```
1 {
2   "id": "4",
3   "name": "Fzaimy",
4   "location": "Dominican Republic",
5   "phone": "18295916116",
6   "courses": [
7     "Python",
8     "Java"
9   ]
10 }
```

Body Cookies Headers (9) Test Results 201 Created 36 ms 470 B

{ } JSON Preview Visualize

```
1 {
2   "id": "4",
3   "name": "Fzaimy",
4   "location": "Dominican Republic",
5   "phone": "18295916116",
6   "courses": [
7     "Python",
8     "Java"
9   ]
10 }
```

Activate Windows  
Go to Settings to activate Windows.

## 3. Verificar la creación (GET)

StudentAPIs GET localhost:3000/studen + No environment

localhost:3000/students Save Share

GET localhost:3000/students Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Query Params

| Key | Value | Description | Bulk Edit |
|-----|-------|-------------|-----------|
| Key | Value | Description |           |

Body Cookies Headers (9) Test Results 200 OK 20 ms 960 B

{ } JSON Preview Visualize

```
34 },
35 {
36   "id": "4",
37   "name": "Fzaimy",
38   "location": "Dominican Republic",
39   "phone": "18295916116",
40   "courses": [
41     "Python",
42     "Java"
43   ]
44 }
45 ]
```

Activate Windows  
Go to Settings to activate Windows.

#### 4. Consultar un estudiante por ID (GET)

Workspaces ▾ More ▾ 🔍 👤 ⚙️ 🔔 🔄 👤 ▾ - □

StudentAPIs GET localhost:3000/student + ▾ No environment ▾

localhost:3000/students/2 Save ▾ Share

GET ▾ localhost:3000/students/2 Send ▾

Params Auth Headers (8) Body • Scripts Settings Cookies

Query Params

|  | Key | Value | Descripti... | ... | Bulk Edit |
|--|-----|-------|--------------|-----|-----------|
|  | Key | Value | Description  |     |           |

Body ▾ 🔄

200 OK • 8 ms • 448 B • 🌐 ...

{ } JSON ▾ ▶ Preview 🔄 Visualize ▾

```
1 {
2   "id": "2",
3   "name": "Kim",
4   "location": "US",
5   "phone": "98876543213",
6   "courses": [
7     "Python",
8     "Appium"
9   ]
10 }
```

#### 5. Actualizar estudiante por ID (PUT)

StudentAPIs PUT localhost:3000/student + ▾ No environment ▾

localhost:3000/students/2 Save ▾ Share

PUT ▾ localhost:3000/students/2 Send ▾

Params Auth Headers (8) Body • Scripts Settings Cookies

raw ▾ JSON ▾ Beautify

```
1 {
2   "id": "2",
3   "name": "Kate",
4   "location": "US",
5   "phone": "98876543213",
6   "courses": [
7     "Python",
8     "Appium",
9     "Java"
10  ]
11 }
```

## 6. Eliminar estudiante por ID (DELETE)

The screenshot shows a REST client interface with the following details:

- URL:** `localhost:3000/students/2`
- Method:** `DELETE`
- Response Status:** `200 OK` (16 ms, 462 B)
- Response Body (JSON):**

```
{
  "id": "2",
  "name": "Kate",
  "location": "US",
  "phone": "98876543213",
  "courses": [
    "Python",
    "Appium",
    "Java"
  ]
}
```

## 7. Verificar eliminación (GET)

The screenshot shows a REST client interface with the following details:

- URL:** `localhost:3000/students/2`
- Method:** `GET`
- Response Status:** `404 Not Found` (7 ms, 387 B)
- Response Body (Raw):**

```
1 Not Found
```

| Key | Value | Description |
|-----|-------|-------------|
| Key | Value | Description |

## 8. Prueba negativa: crear sin nombre

StudentAPIs | POST localhost:3000/studer | No environment

localhost:3000/students | Save | Share

POST | localhost:3000/students | Send

Params | Auth | Headers (8) | Body | Scripts | Settings | Cookies

raw | JSON | Beautify

```
1 {
2   "id": "2",
3   "name": "J",
4   "location": "Latvia",
5   "phone": "32156745621",
6   "courses": [
7     "Appium",
```

Body | 500 Internal Server Error | 49 ms | 385 B

Raw | Preview | Visualize

```
1 Unexpected token ' ', ... "name": ,
2 "lo"... is not valid JSON
```

## 9. Actualizar número de teléfono

StudentAPIs | PUT localhost:3000/student | No environment

localhost:3000/students/4 | Save | Share

PUT | localhost:3000/students/4 | Send

Params | Auth | Headers (8) | Body | Scripts | Settings | Cookies

raw | JSON | Beautify

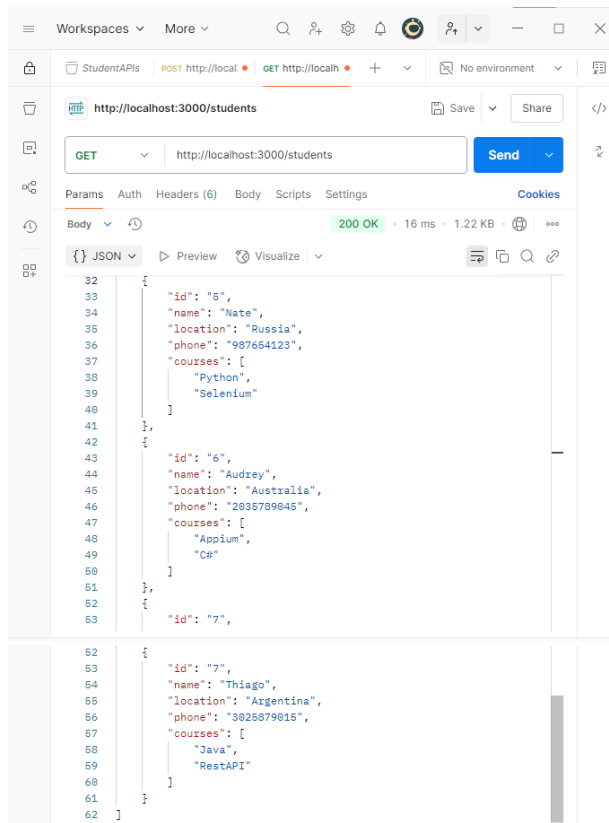
```
4 "location": "Dominican Republic",
5 "phone": "18093328122",
6 "courses": [
7   "Python",
8   "Java"
9 ]
10 }
```

Body | 200 OK | 8 ms | 465 B

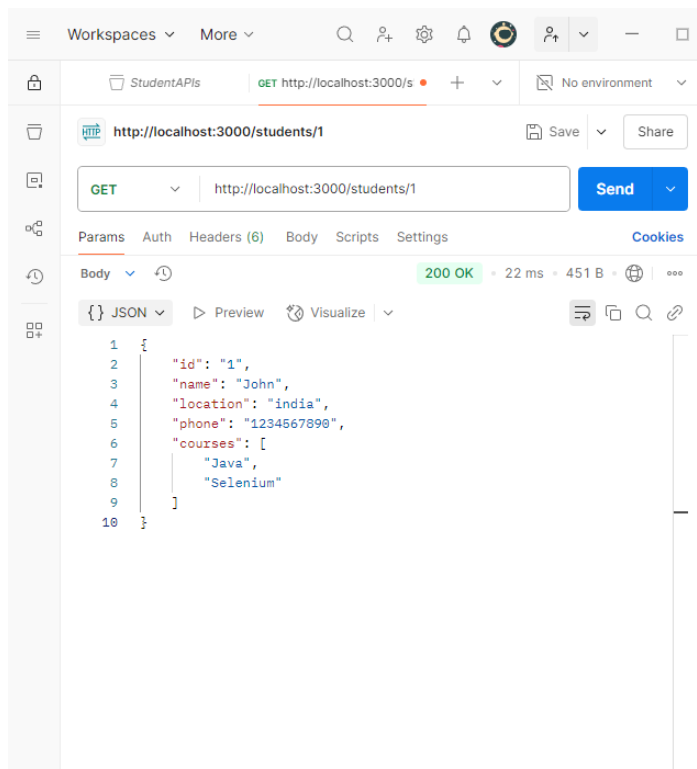
{ } JSON | Preview | Visualize

```
1 {
2   "id": "4",
3   "name": "Franny",
4   "location": "Dominican Republic",
5   "phone": "18093328122",
6   "courses": [
7     "Python",
8     "Java"
9   ]
10 }
```

## 10. Crear múltiples estudiantes



## 11. Consultar estudiante con ID 1



## 12. Prueba con número de telefono inválido

The screenshot shows an HTTP client interface with the following details:

- Workspace:** StudentAPIs
- Method:** POST
- URL:** http://localhost:3000/students
- Body:** JSON (raw view)

```
1 {
2   "id": "",
3   "name": "Amanda",
4   "location": "Mexico",
5   "phone": "hgfrtyuplz",
6   "courses": [
7     "Java"
8   ]
9 }
```
- Status:** 201 Created (63 ms, 442 B)
- Body:** JSON (raw view)

```
1 {
2   "id": "",
3   "name": "Amanda",
4   "location": "Mexico",
5   "phone": "hgfrtyuplz",
6   "courses": [
7     "Java"
8   ]
9 }
```

## 13. Actualizar con ID inexistente

The screenshot shows an HTTP client interface with the following details:

- Workspace:** StudentAPIs
- Method:** PUT
- URL:** http://localhost:3000/st
- Body:** JSON (raw view)

```
1 {
2   "id": "",
3   "name": "Amanda",
4   "location": "Mexico",
5   "phone": "hgfrtyuplz",
6   "courses": [
7     "Java",
8     "C#"
9   ]
10 }
```
- Status:** 404 Not Found (63 ms, 387 B)
- Body:** Raw view  
1 Not Found

# 14. Crear estudiante con 3 cursos

WorkspacesMore

StudentAPIsPOST http://localhost:3000/No environment

http://localhost:3000/studentsSaveShare

POSThttp://localhost:3000/studentsSend

ParamsAuthHeaders (8)BodyScriptsSettingsCookies

rawJSONBeautify

```
1 {
2   "id": "8",
3   "name": "Sophie",
4   "location": "UK",
5   "phone": "1025849267",
6   "courses": [
7     "Java",
8     "C#",
9     "Cypress"
10  ]
11 }
```

Body201 Created124 ms464 B

JSONPreviewVisualize

|          |            |
|----------|------------|
| id       | 8          |
| name     | Sophie     |
| location | UK         |
| phone    | 1025849267 |
| courses  | [3]        |
| 0        | Java       |
| 1        | C#         |
| 2        | Cypress    |



## 15. Crear estudiante sin cursos

Workspaces More

StudentAPIs POST http://localhost:3000/ + No environment

http://localhost:3000/students/8 Save Share

POST http://localhost:3000/students/8 Send

Params Auth Headers (8) Body Scripts Settings Cookies

raw JSON Beautify

```
1 {
2   "id": "9",
3   "name": "Andy",
4   "location": "UK",
5   "phone": "086849267",
6   "courses": []
7 }
```

Body 404 Not Found 9 ms 387 B

Raw Preview Visualize

Not Found

## 16. Actualizar únicamente ubicación

Workspaces More

StudentAPIs PUT http://localhost:3000/s + No environment

http://localhost:3000/students/5 Save Share

PUT http://localhost:3000/students/5 Send

Params Auth Headers (8) Body Scripts Settings Cookies

raw JSON Beautify

```
1 {
2   "id": "5",
3   "name": "Nate",
4   "location": "Germany",
5   "phone": "987654123",
6   "courses": [
7     "Python",
8     "Selenium"
9   ]
10 }
```

Body 200 OK 34 ms 454 B

{ } JSON Preview Visualize

```
1 {
2   "id": "5",
3   "name": "Nate",
4   "location": "Germany",
5   "phone": "987654123",
6   "courses": [
7     "Python",
8     "Selenium"
9   ]
10 }
```