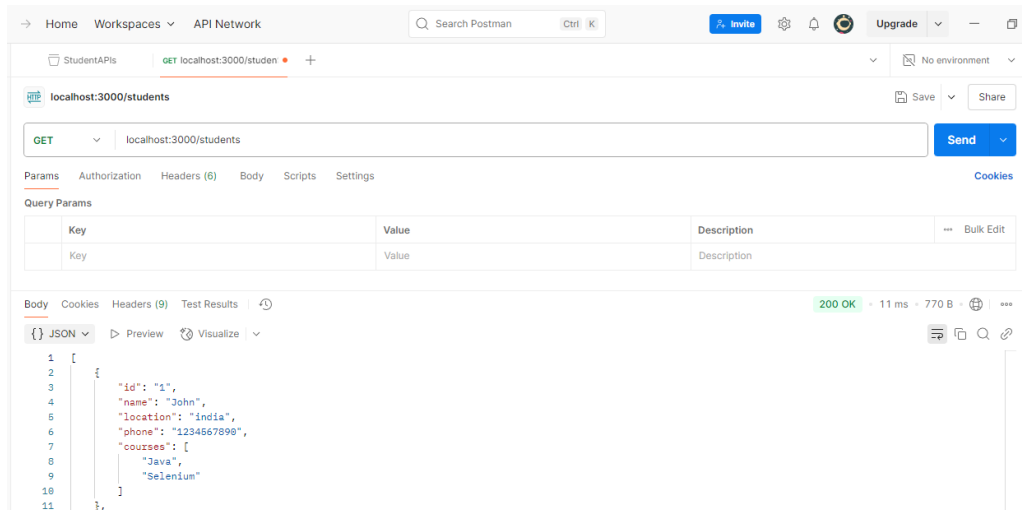


Practicas API REST con Postman - CRUD Estudiantes

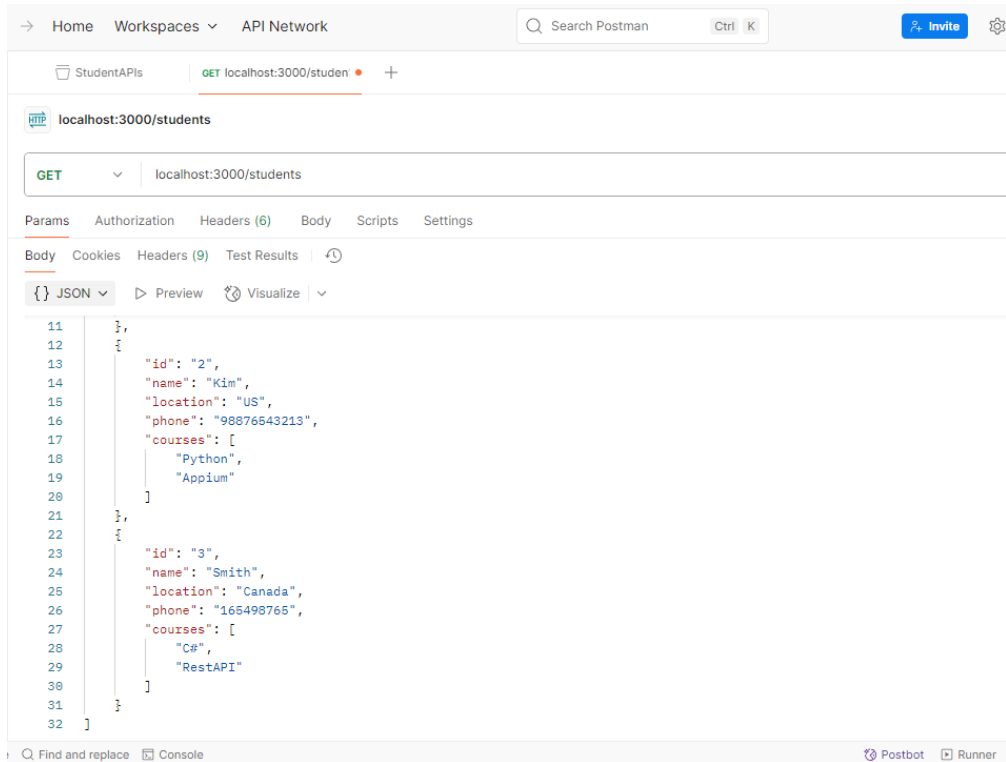
Este documento contiene prácticas de prueba API REST realizadas con Postman, simulando un sistema de gestión de estudiantes.

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": "9887654321",
    "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
Key	Value	Description

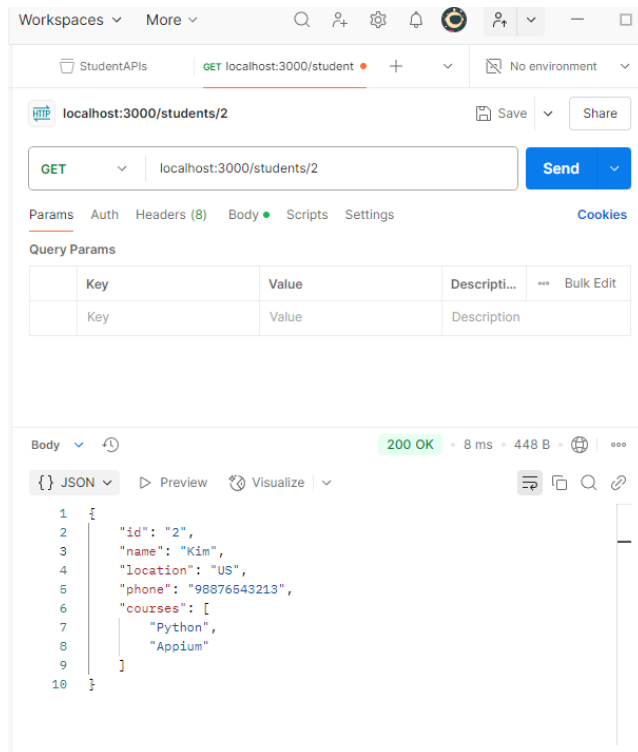
Body Cookies Headers (9) Test Results 200 OK - 20 ms - 960 B

{ } 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		

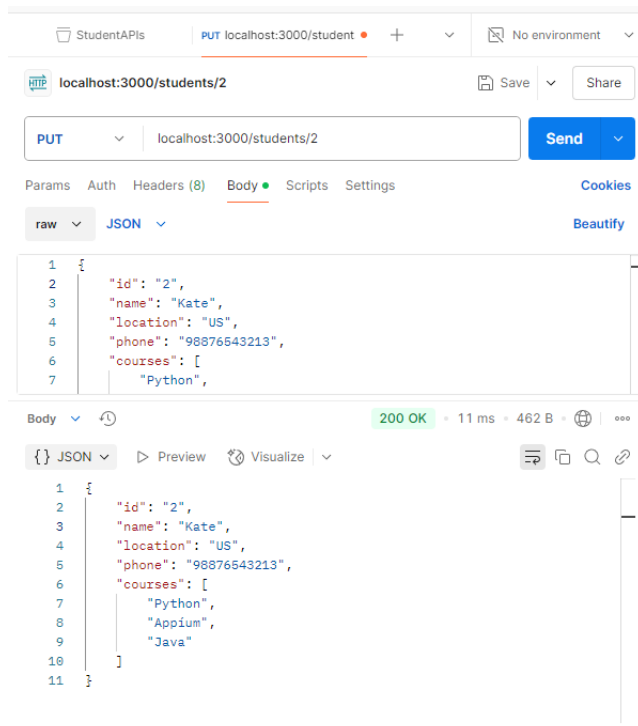
Body ▾ 🔄

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)

StudentAPIs x DEL localhost:3000/student. + No environment

localhost:3000/students/2 Save Share

DELETE 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",
```

Body 200 OK 16 ms 462 B

{ JSON Preview Visualize

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

7. Verificar eliminación (GET)

StudentAPIs GET localhost:3000/student. + No environment

localhost:3000/students/2 Save Share

GET localhost:3000/students/2 Send

Params Auth Headers (6) Body Scripts Settings Cookies

Query Params

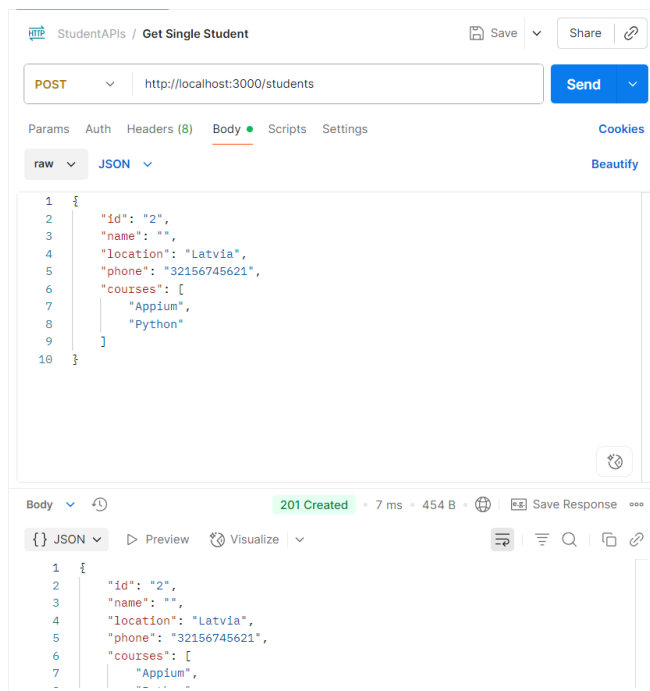
Key	Value	Descripti...	Bulk Edit
Key	Value	Description	

Body 404 Not Found 7 ms 387 B

Raw Preview Visualize

```
1 Not Found
```

8. Prueba negativa: crear sin nombre



StudentAPIs / Get Single Student

POST http://localhost:3000/students

Send

Params Auth Headers (8) Body Scripts Settings Cookies Beautify

raw JSON

```
1 {
2   "id": "2",
3   "name": "",
4   "location": "Latvia",
5   "phone": "32156745621",
6   "courses": [
7     "Appium",
8     "Python"
9   ]
10 }
```

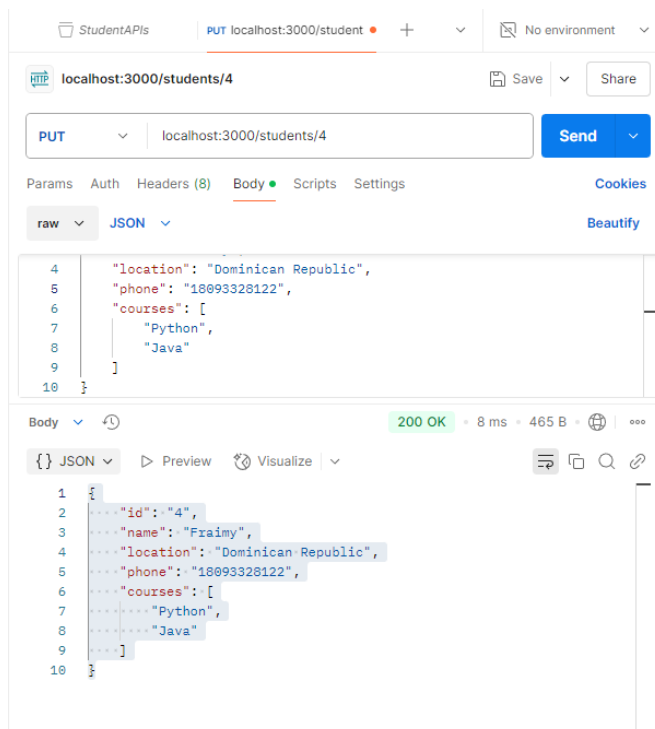
Body 201 Created • 7 ms • 454 B Save Response

JSON Preview Visualize

```
1 {
2   "id": "2",
3   "name": "",
4   "location": "Latvia",
5   "phone": "32156745621",
6   "courses": [
7     "Appium",
8     "Python"
9   ]
10 }
```

Nota: El sistema no valida si el campo “name” está vacío, por lo que esta prueba negativa no fue rechazada como debería.

9. Actualizar número de teléfono



StudentAPIs PUT localhost:3000/student No environment

localhost:3000/students/4

PUT localhost:3000/students/4

Send

Params Auth Headers (8) Body Scripts Settings Cookies Beautify

raw JSON

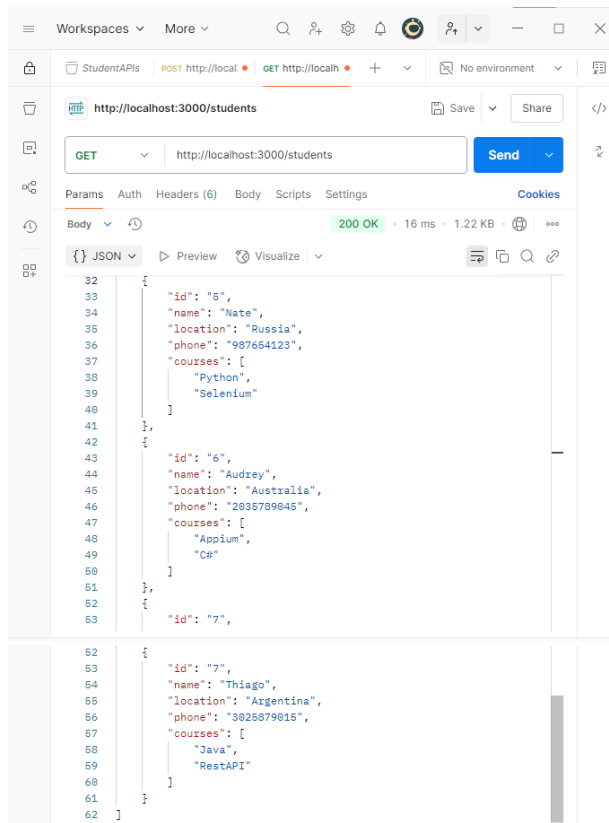
```
4   "location": "Dominican Republic",
5   "phone": "18093328122",
6   "courses": [
7     "Python",
8     "Java"
9   ]
10 }
```

Body 200 OK • 8 ms • 465 B

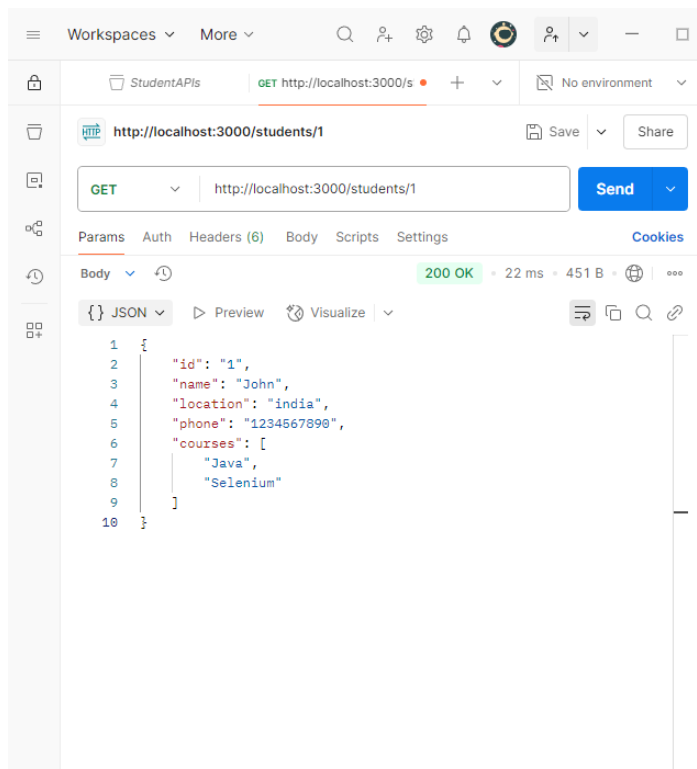
JSON Preview Visualize

```
1 {
2   "id": "4",
3   "name": "Fraimy",
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 API client interface with the following details:

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

```
1 {
2   "id": "",
3   "name": "Amanda",
4   "location": "Mexico",
5   "phone": "hgfrtyuplz",
6   "courses": [
7     "Java"
8   ]
9 }
```
- Status:** 201 Created
- Response Time:** 63 ms
- Response Size:** 442 B

13. Actualizar con ID inexistente

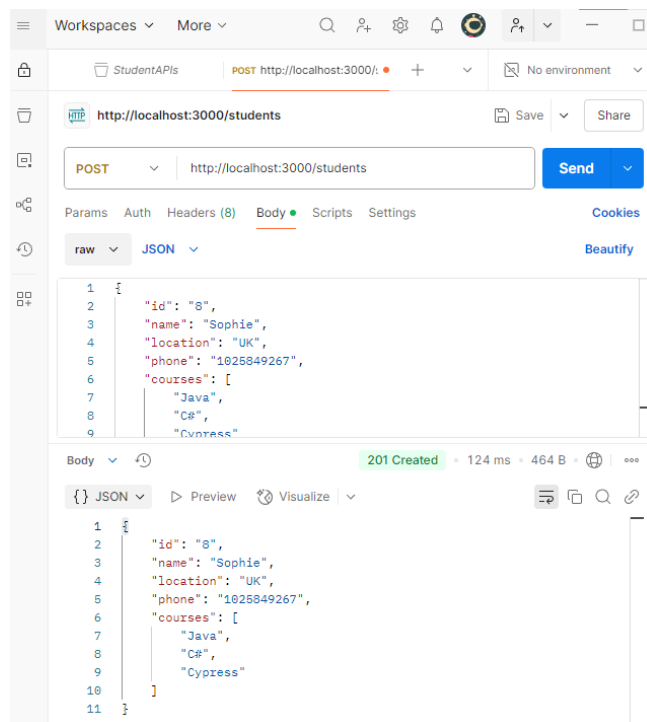
The screenshot shows an API client interface with the following details:

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

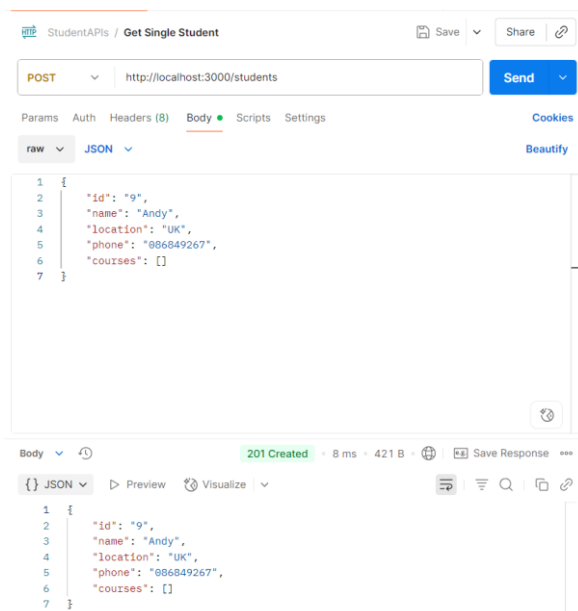
```
1 {
2   "id": "",
3   "name": "Amanda",
4   "location": "Mexico",
5   "phone": "hgfrtyuplz",
6   "courses": [
7     "Java",
8     "C#"
9   ]
10 }
```
- Status:** 404 Not Found
- Response Time:** 63 ms
- Response Size:** 387 B
- Response Body (Raw):**

```
1 Not Found
```

14. Crear estudiante con 3 cursos



15. Crear estudiante sin cursos



16. Actualizar únicamente ubicación

17.

StudentAPIs / Get Single Student

Save

Share

GEThttp://localhost:3000/students/5Send

ParamsAuthHeaders (8)BodyScriptsSettingsCookies

rawJSONBeautify

```
1 {
2   "location": "UK"
3 }
```

Body200 OK6 ms454 BSave Response

JSONPreviewVisualize

```
1 {
2   "id": "5",
3   "name": "Nate",
4   "location": "Germany",
5   "phone": "987654123",
6   "courses": [
7     "Python",

```

Create new request

StudentAPIs / Get Single Student

Save

Share

PATCHhttp://localhost:3000/students/5Send

ParamsAuthHeaders (8)BodyScriptsSettingsCookies

rawJSONBeautify

```
1 {
2   "location": "UK"
3 }
```

Body200 OK17 ms449 BSave Response

JSONPreviewVisualize

```
1 {
2   "id": "5",
3   "name": "Nate",
4   "location": "UK",
5   "phone": "987654123",
6   "courses": [
7     "Python",

```