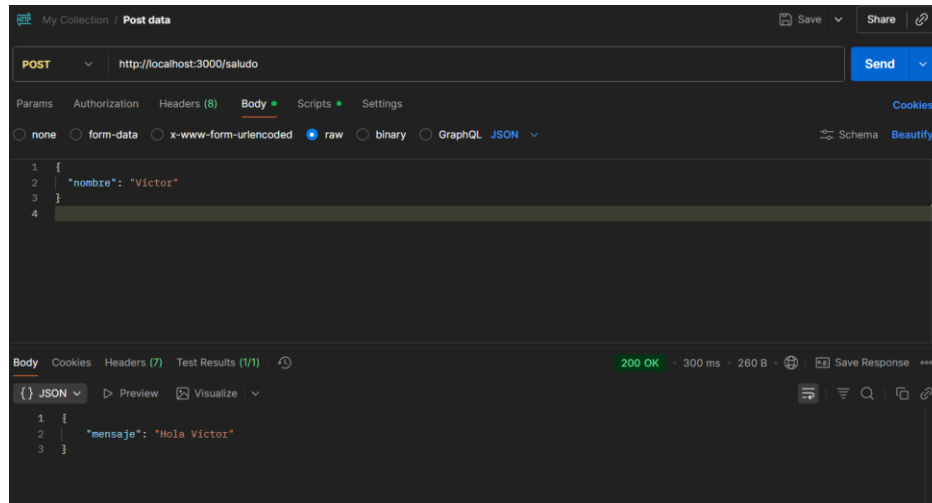
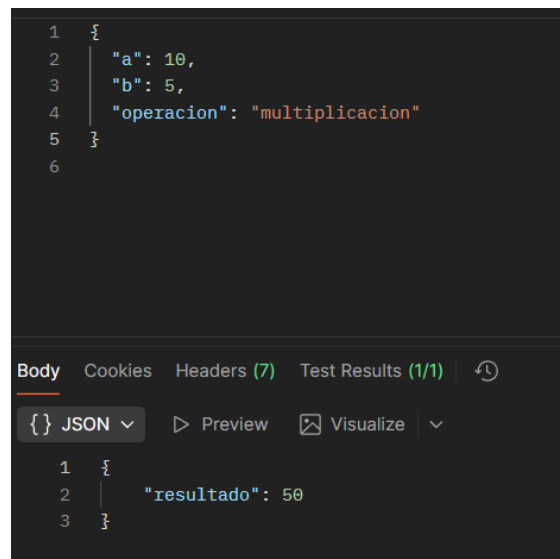


# López Olvera Rafael

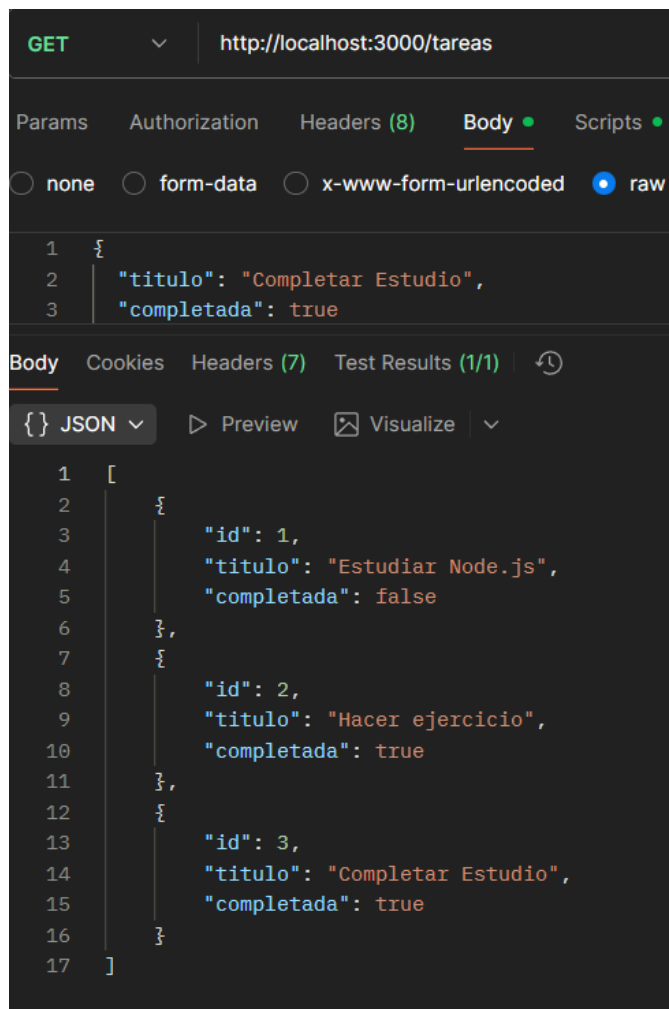
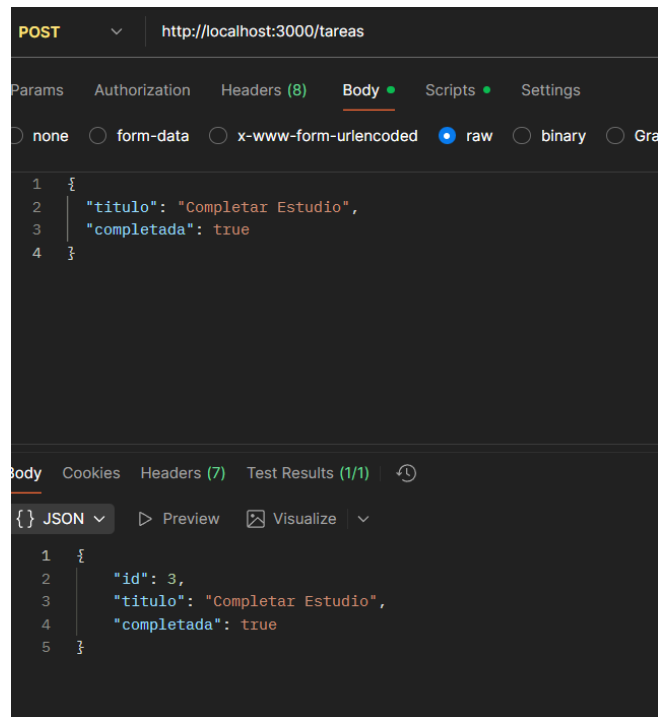
## Ejercicio No.1

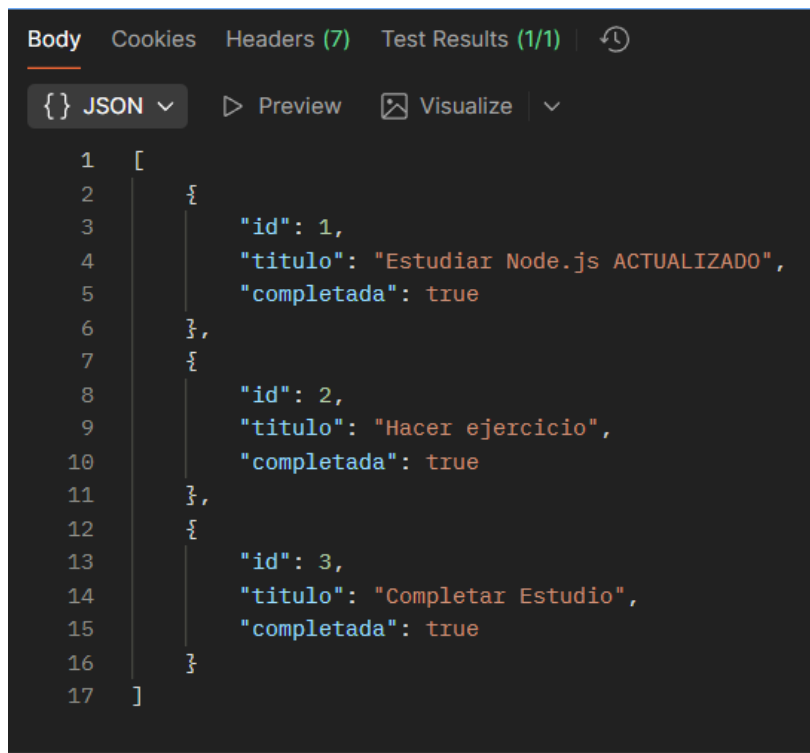
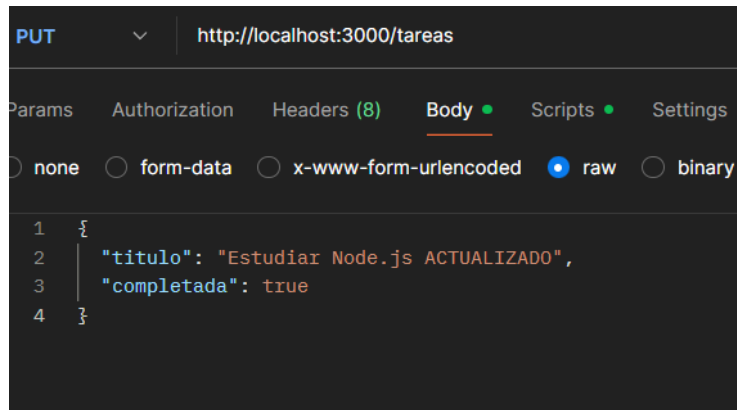


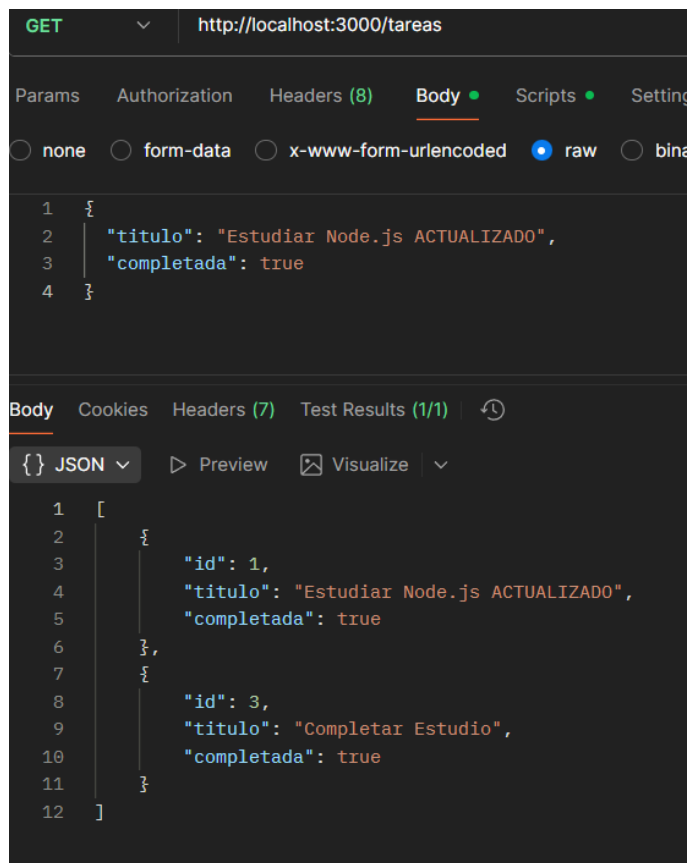
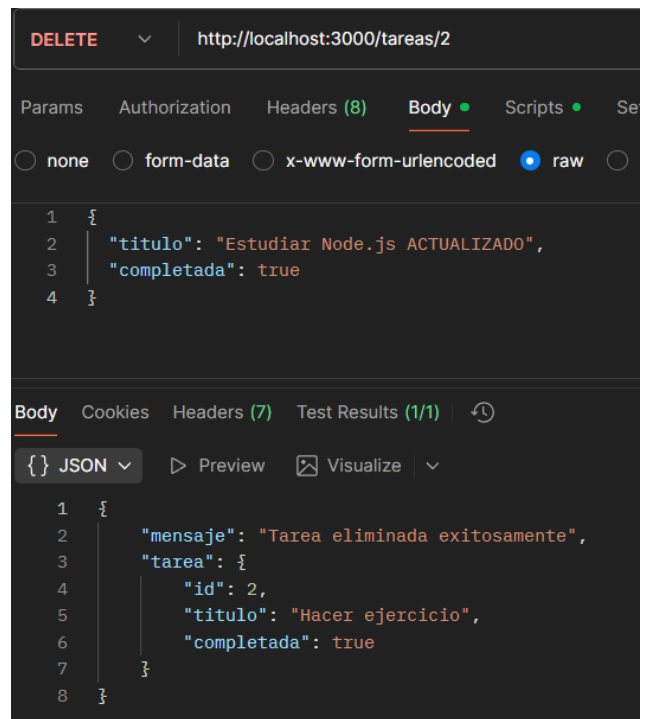
## Ejercicio No.2



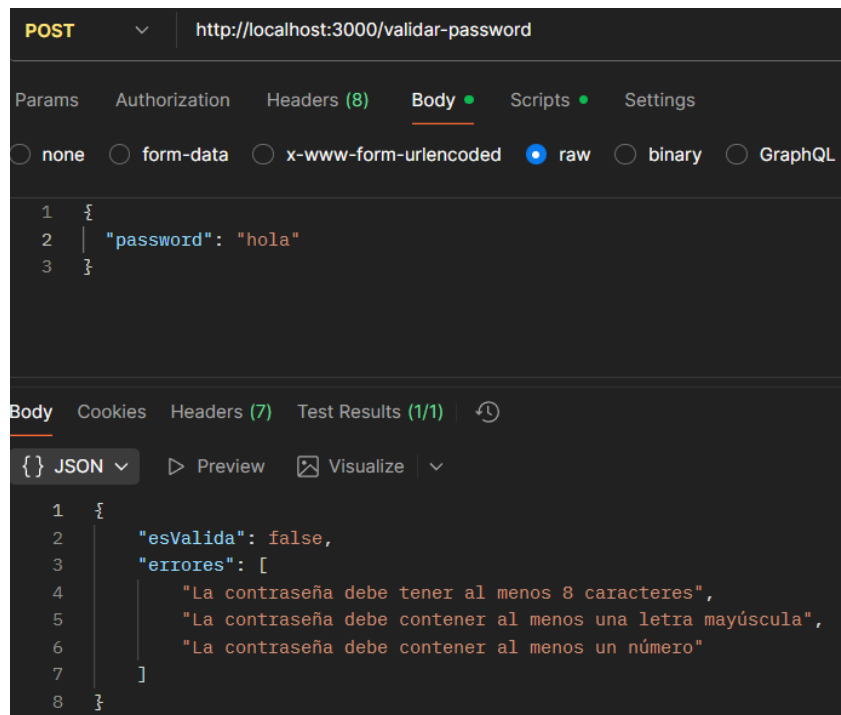
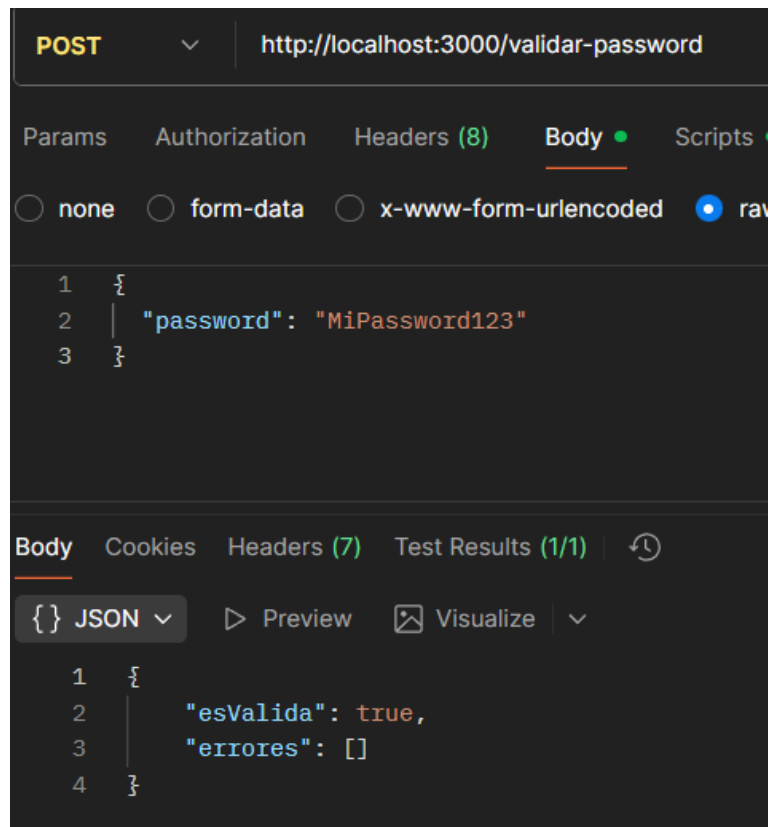
### Ejercicio No.3







## Ejercicio No.4



## Ejercicio No.5

The screenshot shows a REST client interface for a POST request to `http://localhost:3000/convertir-temperatura`. The request body is a JSON object with the following structure:

```
1 {  
2   "valor": 50,  
3   "desde": "C",  
4   "hacia": "F"  
5 }
```

The response body is also a JSON object, showing the converted values:

```
1 {  
2   "valorOriginal": 50,  
3   "valorConvertido": 122,  
4   "escalaOriginal": "C",  
5   "escalaConvertida": "F"  
6 }
```

## Ejercicio No.6

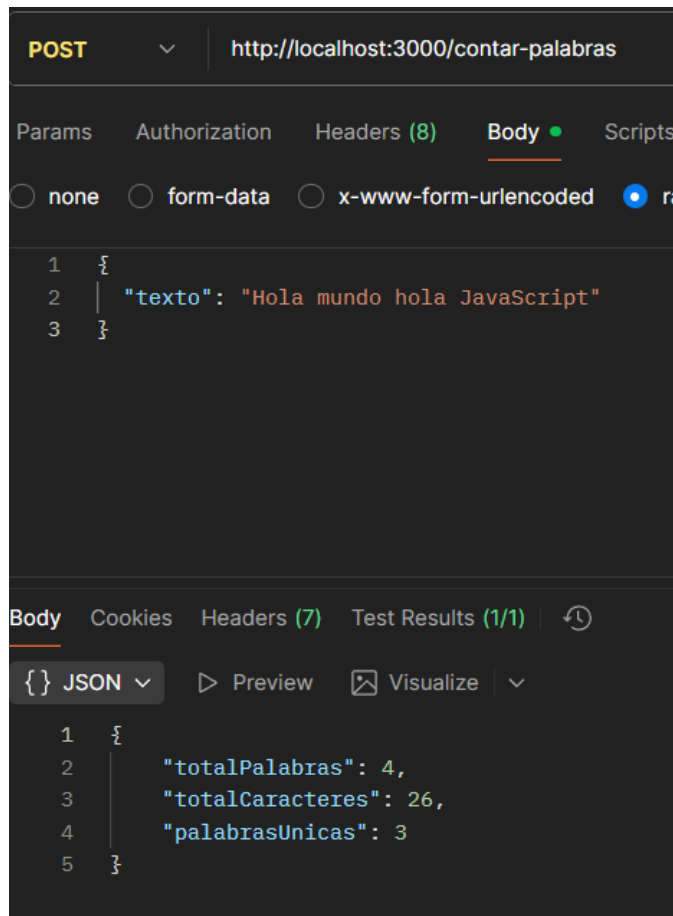
The screenshot shows a REST client interface for a POST request to `http://localhost:3000/buscar`. The request body is a JSON object with the following structure:

```
1 {  
2   "array": [1, 2, 3, "hola", true, 5],  
3   "elemento": "hola"  
4 }
```

The response body is a JSON object indicating the search results:

```
1 {  
2   "encontrado": true,  
3   "indice": 3,  
4   "tipoElemento": "string"  
5 }
```

## Ejercicio No.7



## Ejercicio No.8

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/generar-perfil`. The request body is a JSON object with the following structure:

```
1 {
2   "nombre": "Ana López",
3   "edad": 15,
4   "intereses": ["deportes", "lectura"]
5 }
```

The response body is also in JSON format, showing the created user profile with an ID, creation timestamp, and category:

```
1 {
2   "usuario": {
3     "nombre": "Ana López",
4     "edad": 15,
5     "intereses": [
6       "deportes",
7       "lectura"
8     ]
9   },
10  "id": "6c83c8a8-fffa-4de3-945d-c65f3cba1a71",
11  "fechaCreacion": "2025-10-08T15:16:58.180Z",
12  "categoria": "junior"
13 }
```

The interface includes tabs for Params, Authorization, Headers (8), Body, Scripts, and Settings. The Body tab is active, showing the raw JSON. Below the response, there are tabs for Body, Cookies, Headers (7), and Test Results (1/1). The Body tab is selected, and the JSON is displayed with a 'Visualize' button.

## Ejercicio No.9

**POST** ▼ http://localhost:3000/calcular-promedio

Params Authorization Headers (8) **Body** ● Scripts

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw

```
1 {
2   "calificaciones": [8, 7, 9, 6, 10]
3 }
```

Body Cookies Headers (7) Test Results (1/1) ↺

{ } JSON ▼ ▶ Preview 🖼️ Visualize ▼

```
1 {
2   "promedio": 8,
3   "calificacionMasAlta": 10,
4   "calificacionMasBaja": 6,
5   "estado": "aprobado"
6 }
```

**POST** ▼ http://localhost:3000/calcular-promedio

Params Authorization Headers (8) **Body** ● Scripts ●

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw

```
1 {
2   "calificaciones": [5, 4, 3, 6, 4]
3 }
```

Body Cookies Headers (7) Test Results (1/1) ↺

{ } JSON ▼ ▶ Preview 🖼️ Visualize ▼

```
1 {
2   "promedio": 4.4,
3   "calificacionMasAlta": 6,
4   "calificacionMasBaja": 3,
5   "estado": "reprobado"
6 }
```

## Ejercicio No.10

The screenshot displays a REST client interface with a GET request to `http://localhost:3000/productos`. The 'Body' tab is selected, showing a raw JSON request body. The response is also in JSON format, showing a list of products and a total count.

**Request Body:**

```
1 {
2   "nombre": "Foco LED",
3   "categoria": "iluminación",
4   "precio": 150
5 }
```

**Response Body:**

```
1 {
2   "total": 7,
3   "productos": [
4     {
5       "id": 1,
6       "nombre": "Laptop",
7       "categoria": "electrónica",
8       "precio": 15000
9     },
10    {
11      "id": 2,
12      "nombre": "Mouse",
13      "categoria": "electrónica",
14      "precio": 250
15    },
16    {
17      "id": 3,
18      "nombre": "Teclado",
19      "categoria": "electrónica"
20    }
21  ]
22 }
```