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## Ejercicio No.1

The screenshot shows the Postman interface. At the top, it says "My Collection / Post data". Below that, a "POST" method is selected and the URL is set to "http://localhost:3000/saludo". The "Body" tab is active, showing the following JSON payload:

```
1 {
2   "nombre": "Victor"
3 }
```

Below the body, the response section shows a green "200 OK" status with a response time of "300 ms" and a size of "260 B". The response body is also JSON:

```
1 {
2   "mensaje": "Hola Victor"
3 }
```

## Ejercicio No.2

The screenshot shows the Postman interface. The URL is now "http://localhost:3000/multiplicacion". The "Body" tab is active, showing the following JSON payload:

```
1 {
2   "a": 10,
3   "b": 5,
4   "operacion": "multiplicacion"
5 }
```

Below the body, the response section shows a green "200 OK" status with a response time of "300 ms" and a size of "260 B". The response body is also JSON:

```
1 {
2   "resultado": 50
3 }
```

## Ejercicio No.3

POST http://localhost:3000/tareas

Params Authorization Headers (8) Body Scripts Settings

none  form-data  x-www-form-urlencoded  raw  binary  Gra

```
1 {
2   "titulo": "Completar Estudio",
3   "completada": true
4 }
```

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

{ } JSON ▾ ▷ Preview Visualize ▾

```
1 {
2   "id": 3,
3   "titulo": "Completar Estudio",
4   "completada": true
5 }
```

GET http://localhost:3000/tareas

Params Authorization Headers (8) Body Scripts

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

```
1 {
2   "titulo": "Completar Estudio",
3   "completada": true
4 }
```

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

{ } JSON ▾ ▷ Preview Visualize ▾

```
1 [
2   {
3     "id": 1,
4     "titulo": "Estudiar Node.js",
5     "completada": false
6   },
7   {
8     "id": 2,
9     "titulo": "Hacer ejercicio",
10    "completada": true
11  },
12  {
13    "id": 3,
14    "titulo": "Completar Estudio",
15    "completada": true
16  }
17 ]
```

PUT | http://localhost:3000/tareas

Params | Authorization | Headers (8) | **Body** | Scripts | Settings

( none | form-data | x-www-form-urlencoded | raw | binary )

```
1 {  
2   "titulo": "Estudiar Node.js ACTUALIZADO",  
3   "completada": true  
4 }
```

Body | Cookies | Headers (7) | Test Results (1/1) | ↻

{ } JSON ▾ | Preview | Visualize | ▾

```
1 [  
2   {  
3     "id": 1,  
4     "titulo": "Estudiar Node.js ACTUALIZADO",  
5     "completada": true  
6   },  
7   {  
8     "id": 2,  
9     "titulo": "Hacer ejercicio",  
10    "completada": true  
11  },  
12  {  
13    "id": 3,  
14    "titulo": "Completar Estudio",  
15    "completada": true  
16  }  
17 ]
```

**DELETE** | http://localhost:3000/tareas/2

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

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

```
1  {
2    "titulo": "Estudiar Node.js ACTUALIZADO",
3    "completada": true
4 }
```

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

{ } JSON ▾ ▷ Preview Visualize ▾

```
1  {
2    "mensaje": "Tarea eliminada exitosamente",
3    "tarea": {
4      "id": 2,
5      "titulo": "Hacer ejercicio",
6      "completada": true
7    }
8 }
```

**GET** | http://localhost:3000/tareas

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

none  form-data  x-www-form-urlencoded  raw  binary

```
1  [
2    {
3      "id": 1,
4      "titulo": "Estudiar Node.js ACTUALIZADO",
5      "completada": true
6    },
7    {
8      "id": 3,
9      "titulo": "Completar Estudio",
10     "completada": true
11   }
12 ]
```

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

{ } JSON ▾ ▷ Preview Visualize ▾

## Ejercicio No.4

POST http://localhost:3000/validar-password

Params Authorization Headers (8) Body Scripts

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

```
1 {  
2   "password": "MiPassword123"  
3 }
```

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

{ } JSON ▾ Preview Visualize

```
1 {  
2   "esValida": true,  
3   "errores": []  
4 }
```

POST http://localhost:3000/validar-password

Params Authorization Headers (8) Body Scripts Settings

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

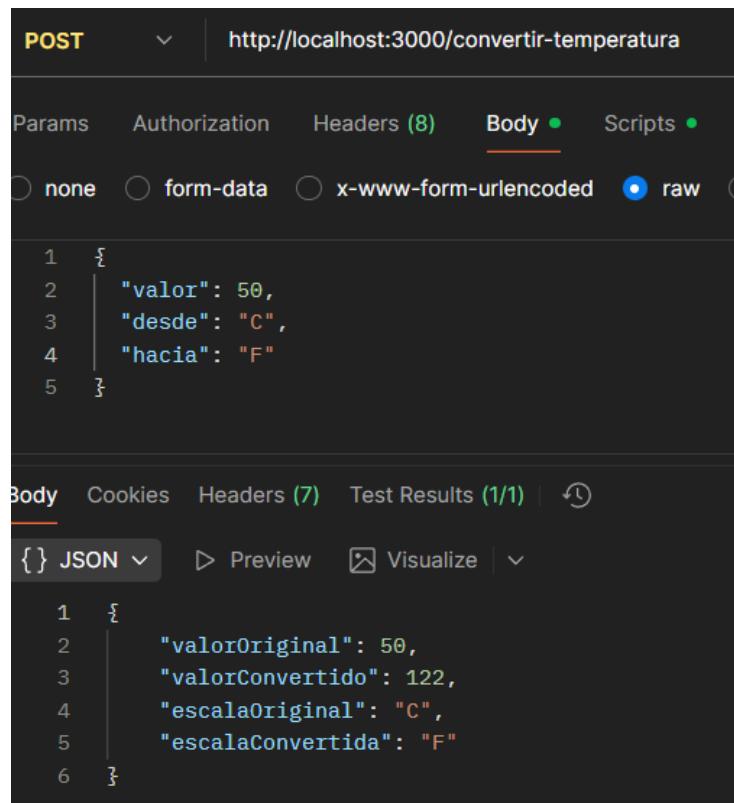
```
1 {  
2   "password": "hola"  
3 }
```

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

{ } JSON ▾ Preview Visualize

```
1 {  
2   "esValida": false,  
3   "errores": [  
4     "La contraseña debe tener al menos 8 caracteres",  
5     "La contraseña debe contener al menos una letra mayúscula",  
6     "La contraseña debe contener al menos un número"  
7   ]  
8 }
```

## Ejercicio No.5



POST http://localhost:3000/convertir-temperatura

Params Authorization Headers (8) Body Scripts

Body (raw)

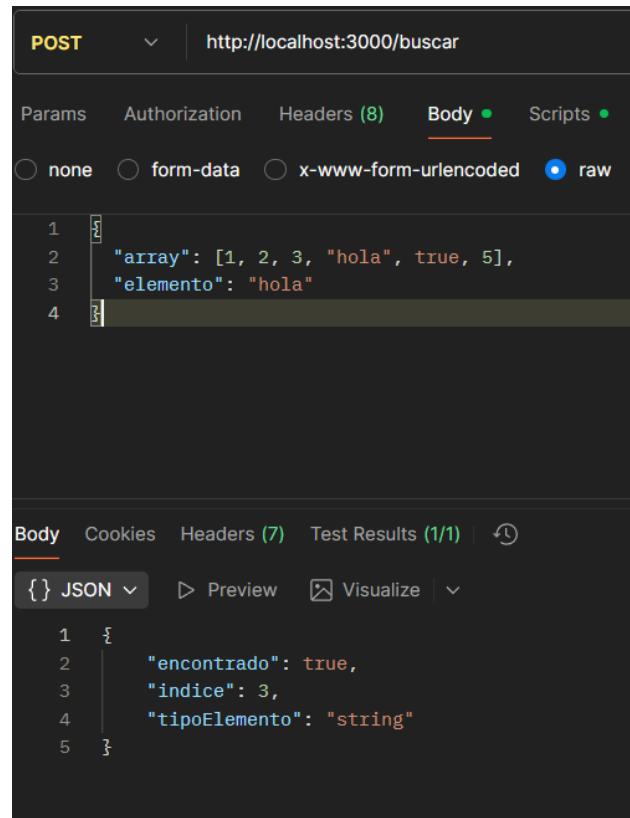
```
1 {  
2   "valor": 50,  
3   "desde": "C",  
4   "hacia": "F"  
5 }
```

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

{ } JSON Preview Visualize

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

## Ejercicio No.6



POST http://localhost:3000/buscar

Params Authorization Headers (8) Body Scripts

Body (raw)

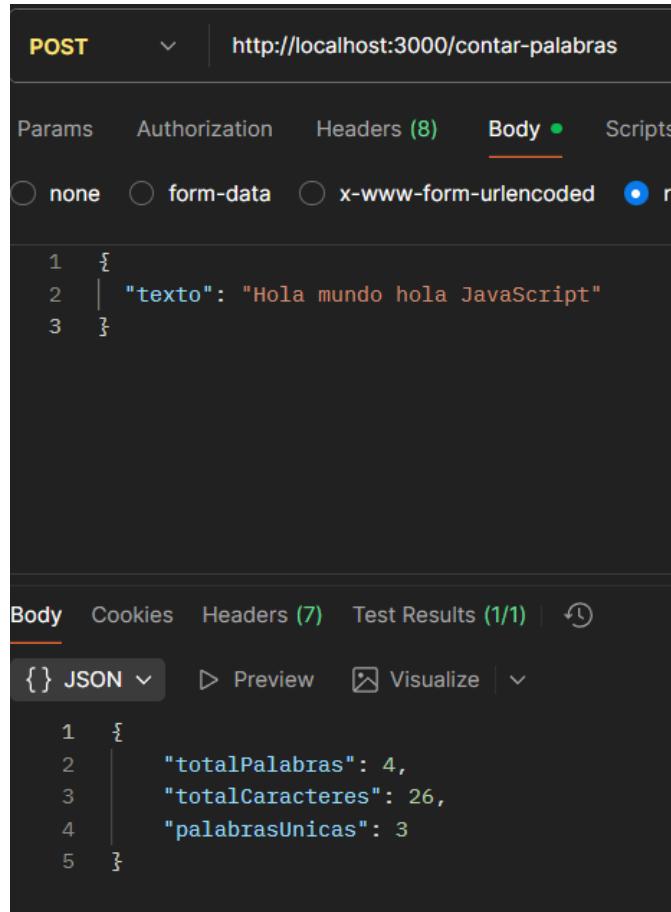
```
1 {  
2   "array": [1, 2, 3, "hola", true, 5],  
3   "elemento": "hola"  
4 }
```

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

{ } JSON Preview Visualize

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

## Ejercicio No.7



POST http://localhost:3000/contar-palabras

Params Authorization Headers (8) Body Scripts

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

```
1 {  
2   "texto": "Hola mundo hola JavaScript"  
3 }
```

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

{ } JSON ▾ Preview Visualize ▾

```
1 {  
2   "totalPalabras": 4,  
3   "totalCaracteres": 26,  
4   "palabrasUnicas": 3  
5 }
```

## Ejercicio No.8

The screenshot shows a Postman interface with the following details:

- Method:** POST
- URL:** <http://localhost:3000/generar-perfil>
- Body Type:** raw (JSON)
- Body Content (Raw):**

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

- Body Content (JSON Response):**

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

## Ejercicio No.9

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

Params Authorization Headers (8) Body Scripts

none  form-data  x-www-form-urlencoded

```
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

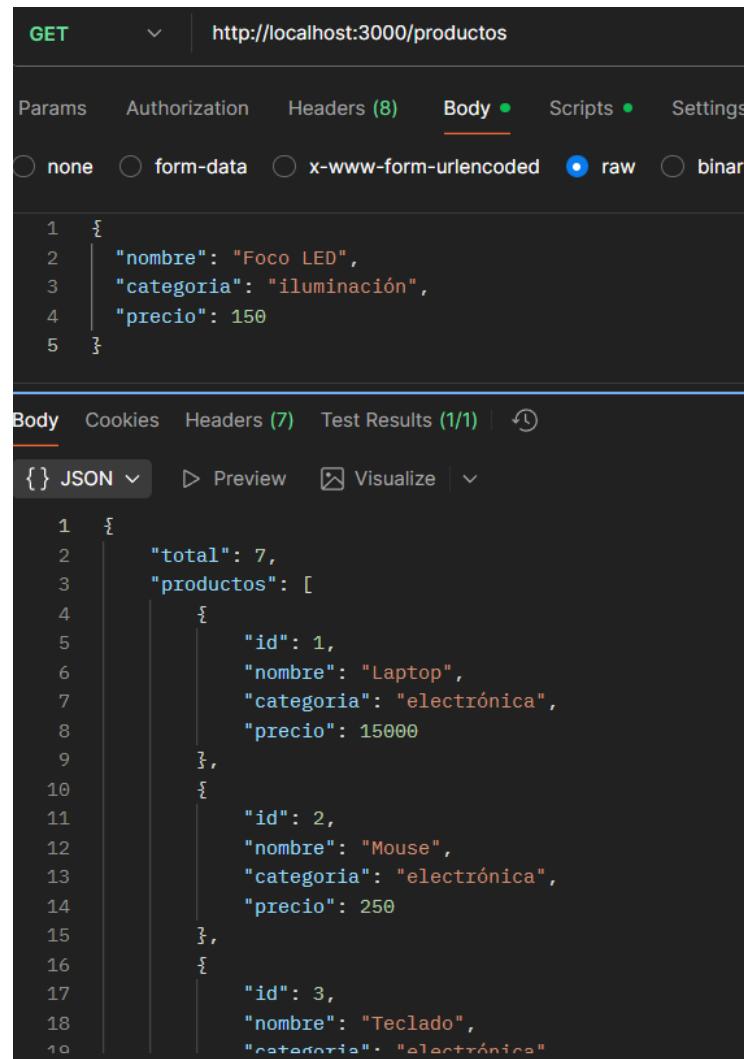
```
1  {
2    "calificaciones": [5, 4, 3, 6, 4]
3 }
```

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



GET | http://localhost:3000/productos

Params | Authorization | Headers (8) | **Body** | Scripts | Settings

(none) | (form-data) | (x-www-form-urlencoded) | **raw** | (binary)

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

Body | Cookies | Headers (7) | Test Results (1/1) | ⌂

{ } JSON | Preview | Visualize | ▾

```
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    }]
```