

ALUMNO: Ortega Fuentes Daniel

## EVIDENCIAS PRACTICA 4:

### Ejercicio 1 – Servicio de Saludo Básico

The screenshot shows the Postman application interface. In the top navigation bar, it says "Ubuntu [Corriendo] - Oracle VM VirtualBox". The main area shows a POST request to "http://localhost:3000/saludo". The "Body" tab is selected, showing the JSON input: 

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

. The "Pretty" tab shows the response: 

```
1 {  
2   "estado": true,  
3   "mensaje": "Hola, Daniel"  
4 }
```

. The status bar at the bottom indicates a 200 OK response with 198 ms duration and 275 B size.

### Ejercicio 2 – Calculadora de Operaciones Básicas

#### Suma:

The screenshot shows the Postman application interface. In the left sidebar, there are sections for Collections, Environments, History, APIs, Specs, Mock servers, Flows, and Insights. The main area shows a POST request to "http://localhost:3000/calcular". The "Body" tab is selected, showing the JSON input: 

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

. The "Pretty" tab shows the response: 

```
1 {  
2   "estado": true,  
3   "resultado": 15  
4 }
```

. The status bar at the bottom indicates a 200 OK response with 7 ms duration and 265 B size.

# ALUMNO: Ortega Fuentes Daniel

Resta:

The screenshot shows the Postman application interface. On the left, there's a sidebar with various icons for collections, environments, history, APIs, specs, mock servers, monitors, flows, and insights. The main area shows a POST request to `http://localhost:3000/calcular`. The request body is set to `JSON` and contains the following JSON:

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

The response status is `200 OK` with a duration of `21 ms` and a size of `264 B`. The response body is also in `JSON` format:

```
1 {
2   "estado": true,
3   "resultado": 5
4 }
```

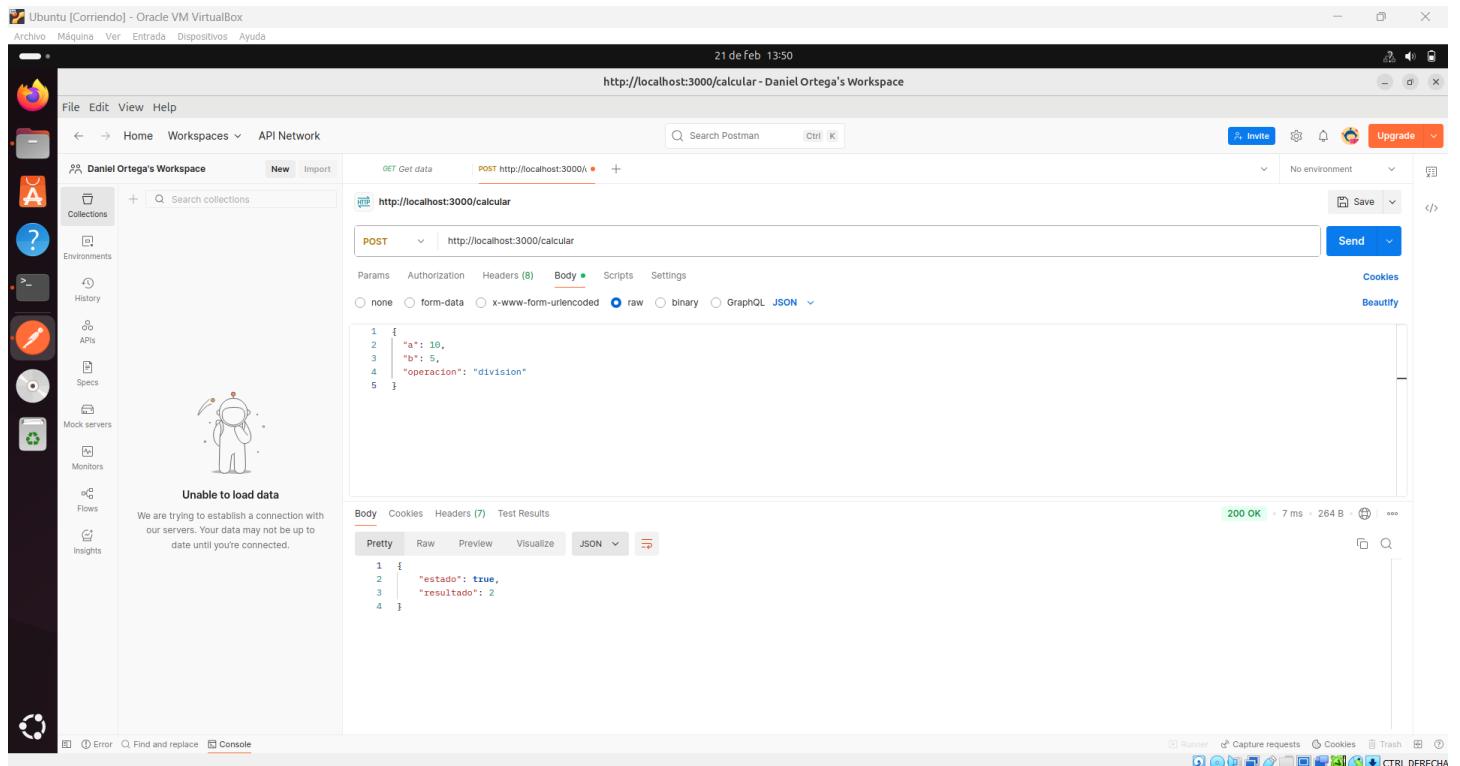
At the bottom, there are several icons for running, capturing requests, and managing cookies.

## Multiplicación:

This screenshot is identical to the previous one, showing a POST request to `http://localhost:3000/calcular` with the same JSON body and response. The only difference is the operation name in the JSON body, which is now `"operacion": "multiplicacion"`.

# ALUMNO: Ortega Fuentes Daniel

División:



Ubuntu [Corriendo] - Oracle VM VirtualBox

File Edit View Help

21 de Feb 13:50

http://localhost:3000/calcular - Daniel Ortega's Workspace

POST http://localhost:3000/calcular

Params Authorization Headers (8) Body Scripts Settings

Body (Pretty Raw Preview Visualize JSON)

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

Body Cookies Headers (7) Test Results

200 OK 7 ms 264 B

Unable to load data

We are trying to establish a connection with our servers. Your data may not be up to date until you're connected.

File Edit View Help

21 de feb 13:51

http://localhost:3000/tareas - Daniel Ortega's Workspace

POST http://localhost:3000/tareas

Params Authorization Headers (8) Body Scripts Settings

Body (Pretty Raw Preview Visualize JSON)

```
1 {
2   "titulo": "Hacer la práctica 4",
3   "completada": false
4 }
```

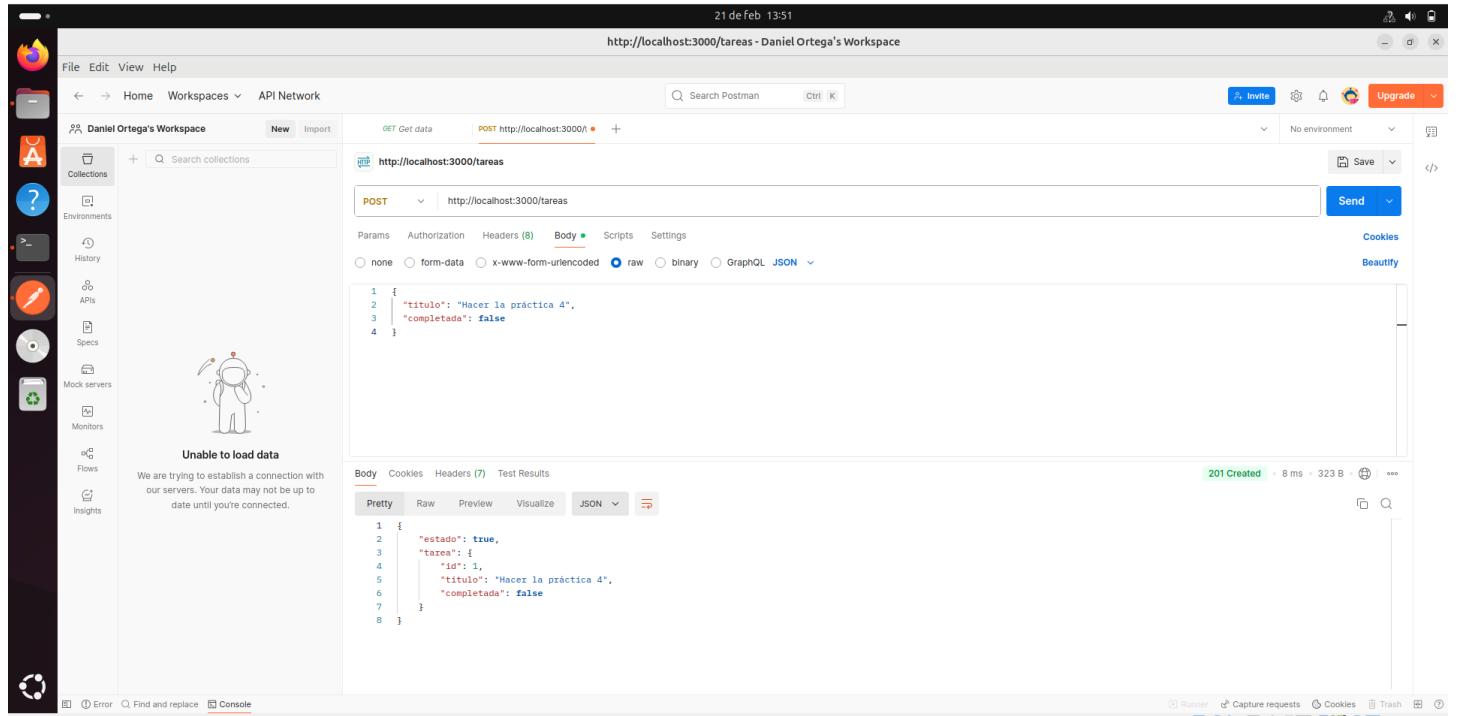
Body Cookies Headers (7) Test Results

201 Created 8 ms 323 B

Unable to load data

We are trying to establish a connection with our servers. Your data may not be up to date until you're connected.

## Ejercicio 3 – Gestor de Tareas (CRUD Básico):



Ubuntu [Corriendo] - Oracle VM VirtualBox

File Edit View Help

21 de Feb 13:50

http://localhost:3000/calcular - Daniel Ortega's Workspace

POST http://localhost:3000/calcular

Params Authorization Headers (8) Body Scripts Settings

Body (Pretty Raw Preview Visualize JSON)

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

Body Cookies Headers (7) Test Results

200 OK 7 ms 264 B

Unable to load data

We are trying to establish a connection with our servers. Your data may not be up to date until you're connected.

File Edit View Help

21 de feb 13:51

http://localhost:3000/tareas - Daniel Ortega's Workspace

POST http://localhost:3000/tareas

Params Authorization Headers (8) Body Scripts Settings

Body (Pretty Raw Preview Visualize JSON)

```
1 {
2   "titulo": "Hacer la práctica 4",
3   "completada": false
4 }
```

Body Cookies Headers (7) Test Results

201 Created 8 ms 323 B

Unable to load data

We are trying to establish a connection with our servers. Your data may not be up to date until you're connected.

# ALUMNO: Ortega Fuentes Daniel

## Ejercicio 4 – Validador de Contraseñas:

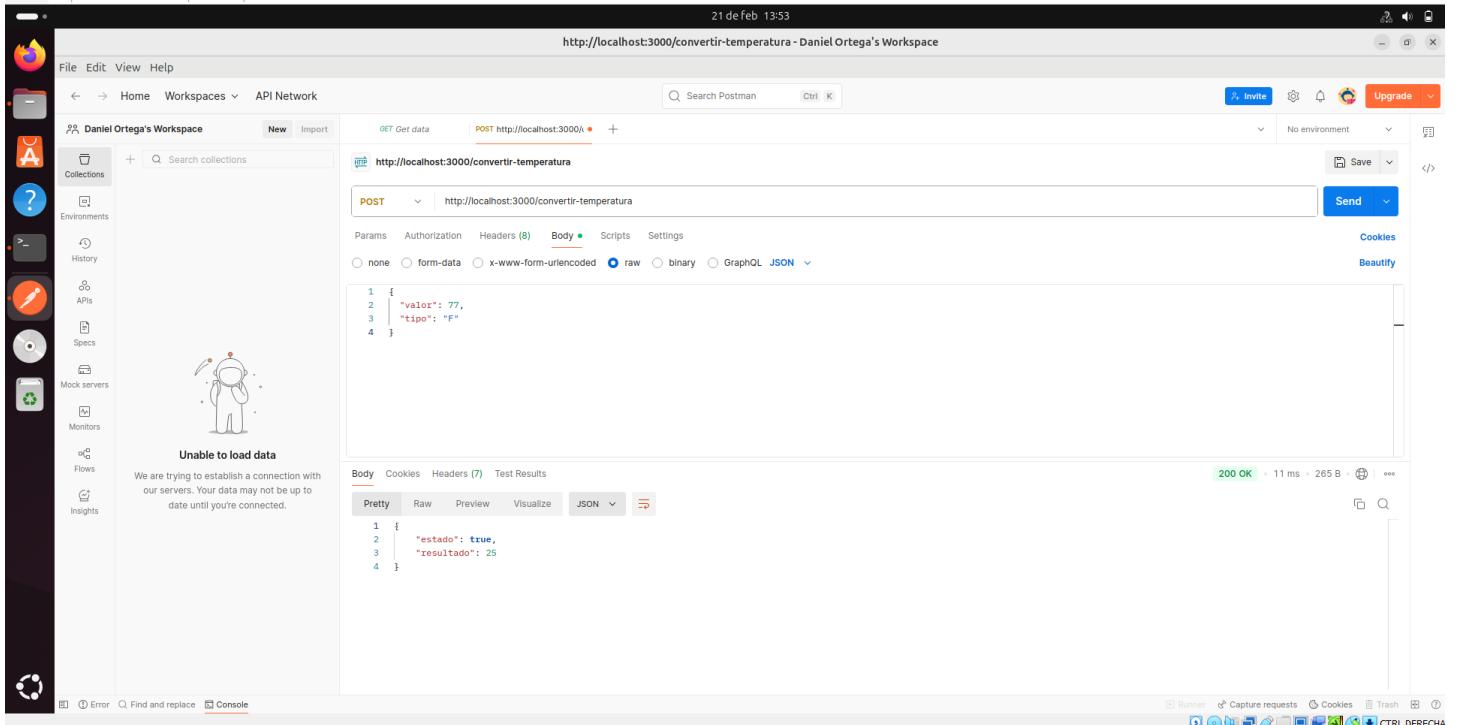
The screenshot shows the Postman application interface. On the left, there's a sidebar with various tools like Collections, Environments, APIs, Specs, Mock servers, Monitors, Flows, and Insights. The main area shows a POST request to `http://localhost:3000/validar-password`. The request body contains the JSON `{"password": "Password123"}`. The response status is `200 OK` with a response time of 5 ms, size of 282 B, and a message body of `{ "estado": true, "mensaje": "Contraseña válida" }`.

## Ejercicio 5 – Convertidor de Temperatura:

### Celsius a Fahrenheit

The screenshot shows the Postman application interface. On the left, there's a sidebar with various tools like Collections, Environments, APIs, Specs, Mock servers, Monitors, Flows, and Insights. The main area shows a POST request to `http://localhost:3000/convertir-temperatura`. The request body contains the JSON `{"valor": 25, "tipo": "C"}`. The response status is `200 OK` with a response time of 6 ms, size of 265 B, and a message body of `{ "estado": true, "resultado": 77 }`.

**ALUMNO: Ortega Fuentes Daniel**  
**Fahrenheit a Celsius**



The screenshot shows the Postman application interface. On the left, there's a sidebar with various icons for collections, environments, history, APIs, specs, mock servers, monitors, flows, and insights. The main area shows a POST request to `http://localhost:3000/convertir-temperatura`. The request body contains the JSON 

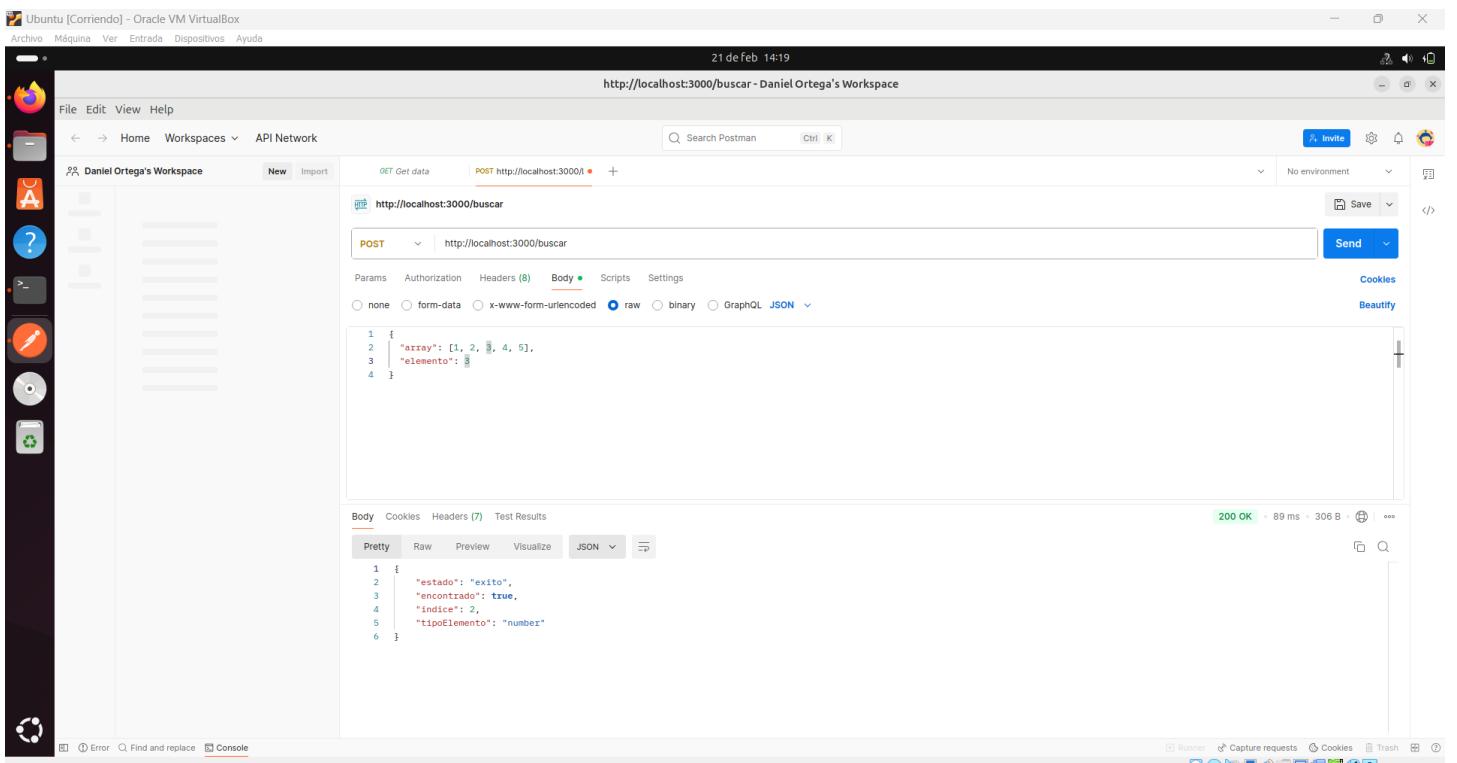
```
1 {  
2   "valor": 77,  
3   "tipo": "F"  
4 }
```

. The response status is 200 OK, with a duration of 11 ms and a size of 265 B. The response body is 

```
1 {  
2   "estado": true,  
3   "resultado": 25  
4 }
```

.

## Ejercicio 6 – Buscador en Array:



The screenshot shows the Postman application interface. The sidebar is identical to the previous one. The main area shows a POST request to `http://localhost:3000/buscar`. The request body contains the JSON 

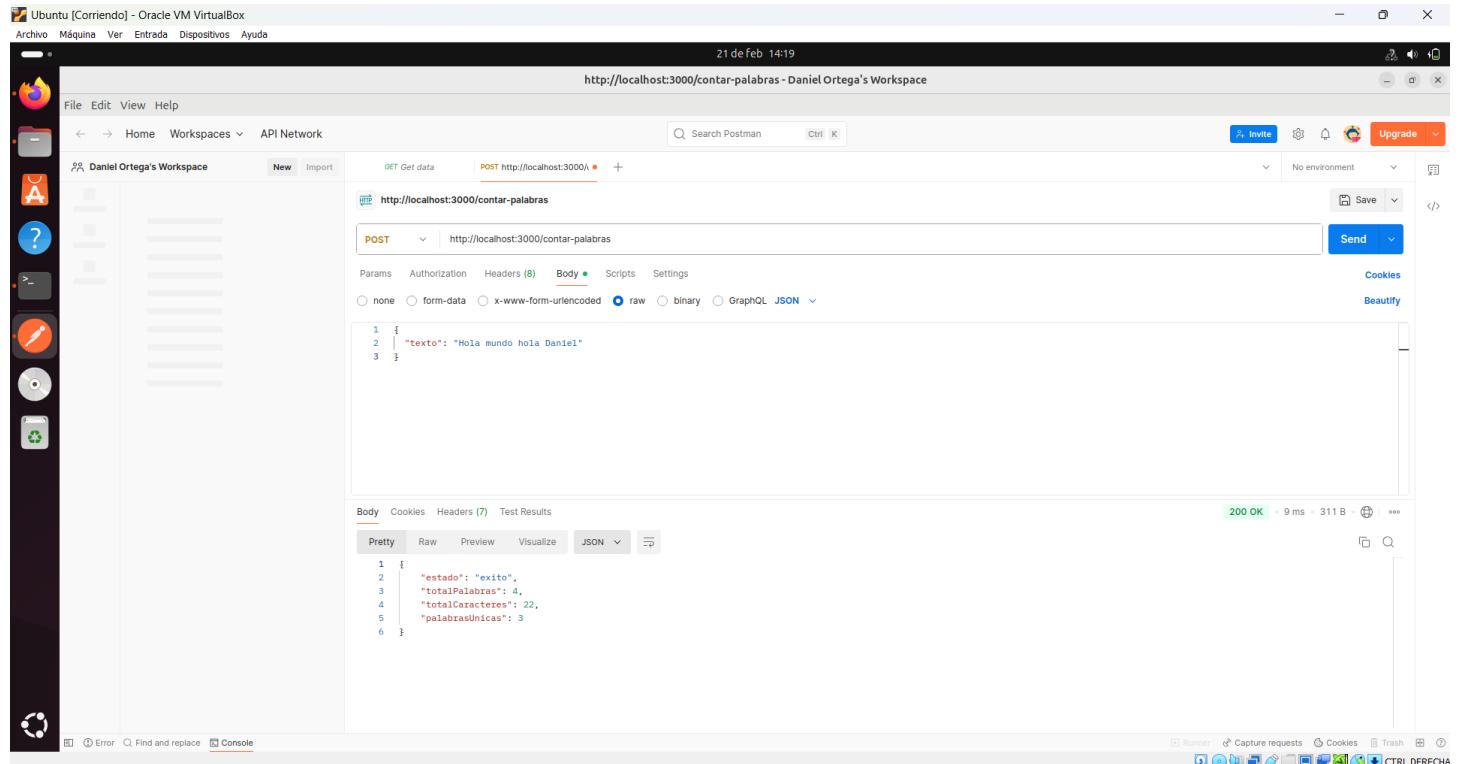
```
1 {  
2   "array": [1, 2, 3, 4, 5],  
3   "elemento": 3  
4 }
```

. The response status is 200 OK, with a duration of 89 ms and a size of 306 B. The response body is 

```
1 {  
2   "estado": "exito",  
3   "encontrado": true,  
4   "indice": 2,  
5   "tipoElemento": "number"  
6 }
```

.

**ALUMNO: Ortega Fuentes Daniel**  
**Ejercicio 7 – Contador de Palabras**



The screenshot shows the Postman application interface. At the top, the title bar reads "Ubuntu [Corriendo] - Oracle VM VirtualBox". The main window displays a POST request to "http://localhost:3000/contar-palabras". The "Body" tab is selected, showing the JSON input:

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

The response section shows a green "200 OK" status with a response time of "9 ms" and a size of "311 B". The response body is displayed in JSON format:

```
1 {  
2   "estado": "exito",  
3   "totalPalabras": 4,  
4   "totalCaracteres": 22,  
5   "palabrasUnicas": 3  
6 }
```

At the bottom of the interface, there are various tool icons and a toolbar with buttons for "Runner", "Capture requests", "Cookies", "Trash", and "CTRL DERECHA".