

## Pruebas en un contenedor de servlets Apache Tomcat 8 con POSTMAN

### Prueba de llamada sin filtro (lista completa)

#### JSON

The screenshot shows a Postman interface for a POST request to `http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1`. The request body is a JSON object with three null fields. The response status is 200 OK, and the response body is a JSON object containing a list of results.

```
POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1
```

Body (JSON):

```
{
  "numero": null,
  "tipoPrimario": null,
  "tipoSecundario": null
}
```

Response (JSON):

```
{
  "resultado": [
    {
      "numero": 1,
      "nombre": "Bulbasaur",
      "tipoPrimario": "HIERBA",
      "tipoSecundario": "VENENO",
      "total": 318,
      "salud": 45,
      "ataque": 49,
      "defensa": 49,
      "ataqueEspecial": 65,
      "defensaEspecial": 65,
      "velocidad": 45
    }
  ]
}
```

#### XML

The screenshot shows a Postman interface for a POST request to `http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml`. The request body is an XML document. The response status is 200 OK, and the response body is a large XML document containing a list of results.

```
POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml
```

Body (XML):

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<entrada>
</entrada>
```

Response (XML):

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<salida>
  <resultado>
    <pokemon>
      <numero>1</numero>
      <nombre>Bulbasaur</nombre>
      <tipoPrimario>HIERBA</tipoPrimario>
      <tipoSecundario>VENENO</tipoSecundario>
      <total>318</total>
      <salud>45</salud>
      <ataque>49</ataque>
      <defensa>49</defensa>
      <ataqueEspecial>65</ataqueEspecial>
      <defensaEspecial>65</defensaEspecial>
      <velocidad>45</velocidad>
    </pokemon>
    <pokemon>
      <numero>2</numero>
      <nombre>Ivysaur</nombre>
      <tipoPrimario>HIERBA</tipoPrimario>
      <tipoSecundario>VENENO</tipoSecundario>
      <total>405</total>
      <salud>60</salud>
      <ataque>62</ataque>
      <defensa>63</defensa>
      <ataqueEspecial>80</ataqueEspecial>
      <defensaEspecial>80</defensaEspecial>
      <velocidad>60</velocidad>
    </pokemon>
    <pokemon>
      <numero>3</numero>
      <nombre>Venusaur</nombre>
      <tipoPrimario>HIERBA</tipoPrimario>
      <tipoSecundario>VENENO</tipoSecundario>
      <total>525</total>
      <salud>80</salud>
      <ataque>82</ataque>
      <defensa>83</defensa>
      <ataqueEspecial>100</ataqueEspecial>
      <defensaEspecial>100</defensaEspecial>
      <velocidad>80</velocidad>
    </pokemon>
    <pokemon>
      <numero>3</numero>
      <nombre>Mega Venusaur</nombre>
      <tipoPrimario>HIERBA</tipoPrimario>
      <tipoSecundario>VENENO</tipoSecundario>
      <total>525</total>
      <salud>80</salud>
      <ataque>82</ataque>
      <defensa>83</defensa>
      <ataqueEspecial>100</ataqueEspecial>
      <defensaEspecial>100</defensaEspecial>
      <velocidad>80</velocidad>
    </pokemon>
  </resultado>
</salida>
</entrada>
```

### Prueba de llamada por numero

#### JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "numero": 3,
3   "tipoPrimario": null,
4   "tipoSecundario": null
5 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 8ms Size: 590 B Save R

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "resultado": [
3     {
4       "numero": 3,
5       "nombre": "Venusaur",
6       "tipoPrimario": "HIERBA",
7       "tipoSecundario": "VENENO",
8       "total": 525,

```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <numero>3</numero>
4 </entrada>
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 15ms Size: 923 B Save R

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <resultado>
4     <pokemon>
5       <numero>3</numero>
6       <nombre>Venusaur</nombre>
7       <tipoPrimario>HIERBA</tipoPrimario>
8       <tipoSecundario>VENENO</tipoSecundario>
```

Bootcamp Build Browse

Prueba de llamada por tipoPrimario  
JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "numero": null,
3   "tipoPrimario": "HIERBA",
4   "tipoSecundario": null
5 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 9ms Size: 2.78 KB Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "resultado": [
3     {
4       "numero": 1,
5       "nombre": "Bulbasaur",
6       "tipoPrimario": "HIERBA",
7       "tipoSecundario": "VENENO",
8       "total": 318.
9     }
10  ]
11 }
```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <tipoPrimario>HIERBA</tipoPrimario>
4 </entrada>
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 8ms Size: 4.51 KB Save Response

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <resultado>
4     <pokemon>
5       <numero>1</numero>
6       <nombre>Bulbasaur</nombre>
7       <tipoPrimario>HIERBA</tipoPrimario>
8       <tipoSecundario>VENENO</tipoSecundario>
```

Llamada por tipoSecundario

JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "numero": null,
3   "tipoPrimario": null,
4   "tipoSecundario": "VENENO"
5 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 9ms Size: 4.26 KB Save R

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "resultado": [
3     {
4       "numero": 1,
5       "nombre": "Bulbasaur",
6       "tipoPrimario": "HIERBA",
7       "tipoSecundario": "VENENO",
8       "total": 318,
```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <tipoSecundario>VENENO</tipoSecundario>
4 </entrada>
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 8ms Size: 6.95 KB Sa

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <resultado>
4     <pokemon>
5       <numero>1</numero>
6       <nombre>Bulbasaur</nombre>
7       <tipoPrimario>HIERBA</tipoPrimario>
8       <tipoSecundario>VENENO</tipoSecundario>
```

Llamada por tipoPrimario y tipoSecundario  
JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1 Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded **raw** binary GraphQL BETA JSON

```

1 {
2   "numero": null,
3   "tipoPrimario": "HIERBA",
4   "tipoSecundario": "VENENO"
5 }

```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 9ms Size: 2.05 KB Save R

Pretty Raw Preview Visualize BETA JSON

```

1 {
2   "resultado": [
3     {
4       "numero": 1,
5       "nombre": "Bulbasaur",
6       "tipoPrimario": "HIERBA",
7       "tipoSecundario": "VENENO",
8       "total": 318,

```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

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

```

1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <tipoPrimario>HIERBA</tipoPrimario>
4   <tipoSecundario>VENENO</tipoSecundario>
5 </entrada>

```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 7ms Size: 3.32 KB Save R

Pretty Raw Preview Visualize BETA XML

```

1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <resultado>
4     <pokemon>
5       <numero>1</numero>
6       <nombre>Bulbasaur</nombre>
7       <tipoPrimario>HIERBA</tipoPrimario>
8       <tipoSecundario>VENENO</tipoSecundario>

```

## Peticion Erronea

## JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1 Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "numero": 1,
3   "tipoPrimario": "HIERBA",
4   "tipoSecundario": "VENENO"
5 }
```

Body Cookies Headers (5) Test Results Status: 400 Petición incorrecta Time: 7ms Size: 237 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "error": "01",
3   "descripcionError": "PETICION ERRONEA"
4 }
```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <numero>1</numero>
4   <tipoPrimario>HIERBA</tipoPrimario>
5   <tipoSecundario>VENENO</tipoSecundario>
6 </entrada>
```

Body Cookies Headers (5) Test Results Status: 400 Petición incorrecta Time: 14ms Size: 320 B Save Response

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <error>01</error>
4   <descripcionError>PETICION ERRONEA</descripcionError>
5 </salida>
```

Tipo no existente en la tabla

JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "tipoPrimario": "PLANTA",
3   "tipoSecundario": "VENENO"
4 }
5 }
```

Body Cookies Headers (5) Test Results Status: 400 Petición incorrecta Time: 8ms Size: 250 B Save R

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "error": "02",
3   "descripcionError": "TIPO NO EXISTENTE EN LA TABLA"
4 }
```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <tipoPrimario>PLANTA</tipoPrimario>
4   <tipoSecundario>VENENO</tipoSecundario>
5 </entrada>
6 
```

Body Cookies Headers (5) Test Results Status: 400 Petición incorrecta Time: 11ms Size: 333 B Save R

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <error>02</error>
4   <descripcionError>TIPO NO EXISTENTE EN LA TABLA</descripcionError>
5 </salida>
```

No existen pokemon con esas características

JSON

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1 Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2
3   "tipoPrimario": "HIERBA",
4   "tipoSecundario": "FUEGO"
5 }
```

Body Cookies Headers (4) Test Results Status: 404 No Encontrado Time: 10ms Size: 239 B Save R

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "error": "03",
3   "descripcionError": "NO EXISTEN POKEMON CON ESAS CARACTERISTICAS"
4 }
```

## XML

POST http://192.168.56.1:8090/PracticaSPS/api/sps/helloworld/v1.xml Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <entrada>
3   <tipoPrimario>HIERBA</tipoPrimario>
4   <tipoSecundario>FUEGO</tipoSecundario>
5 </entrada>
```

Body Cookies Headers (4) Test Results Status: 404 No Encontrado Time: 13ms Size: 322 B Save R

Pretty Raw Preview Visualize BETA XML

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <salida>
3   <error>03</error>
4   <descripcionError>NO EXISTEN POKEMON CON ESAS CARACTERISTICAS</descripcionError>
5 </salida>
```