

La calculadora implementada en node permite hacer las operaciones:

- Suma
- Resta
- Division
- Multiplicacion

Dentro de cada operación es necesario que se usen 2 operandos pero se puede llegar a usar hasta 4 operandos.

Se valida que no se divida entre 0, en caso que se intente se lanzará un error.

Se ha usado un solo endpoint para las operaciones, donde la palabra que va después de calculadora es la operación a realizar, se tiene que usar las palabras **suma** para sumar, **resta** para restar, **multiplica** para multiplicar y **division** para realizar una division.

El JSON que se tiene que enviar para poder realizar la operación es:

```
{
  "operando1": 16,
  "operando2": 2,
  "operando3": 2,
  "operando4": 0
}
```

el operando3 y el operando4 es opciones, los otros 2 son obligatorios.

A continuación pondré unos cuantos pantallazos con distintas operaciones permitidas y con algunas no permitidas.

Suma con dos operandos

YARC! v1.1.2

Yet Another REST Client

Main

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Request Settings

URL: POST

Payload:

```
{  "operando1": 16,  "operando2": 2}
```

Custom Headers

Authentication

Send Request

Response

Request URL: <http://localhost:8080/api/v1/calculadora/suma>

Request Method: POST

Response Time: 0.032 seconds

Response Status: 200 - OK

200

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{  "resultado": 18}
```


Copy Request

Copy Response

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Suma con un solo operando

v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/suma

POST

Payload:

```
{  "operando1":1}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/suma

Request Method: POST

Response Time: 0.024 seconds

Response Status: 400 - Bad Request

400

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{  "error": "Parámetros no validos"}
```

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Suma con 4 operandos

YARCI! v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/suma

POST

Payload:

```
{
  "operando1": 16,
  "operando2": 2,
  "operando3": 2,
  "operando4": 0
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/suma
Request Method: POST
Response Time: 0.029 seconds
Response Status: 200 - OK

200

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "resultado": 20
}
```

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Suma con algún operando que no es un numero:

YARCI! v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/suma

POST

Payload:

```
{
  "operando1": 16,
  "operando2": "m",
  "operando3": 2,
  "operando4": 0
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/suma
Request Method: POST
Response Time: 0.025 seconds
Response Status: 400 - Bad Request

400

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "error": "Tipo parámetros no valido"
}
```


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Multiplicación con 4 operandos, uno de ellos decimales:

v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/multiplica POST

Payload:

```
{
  "operando1": 16,
  "operando2": 2,
  "operando3": 2,
  "operando4": 2.5
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/multiplica
Request Method: POST
Response Time: 0.029 seconds
Response Status: 200 - OK

200

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "resultado": 160
}
```

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Division con 3 operandos:

YARCI! v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/division

POST

Payload:

```
{
  "operando1": 16,
  "operando2": 2,
  "operando3": 2
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/division
Request Method: POST
Response Time: 0.032 seconds
Response Status: 200 - OK

200

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "resultado": 4
}
```

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División con un divisor que sea 0:

YARCI! v1.1.2

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/division

POST

Payload:

```
{
  "operando1": 16,
  "operando2": 0,
  "operando3": 2
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/division
Request Method: POST
Response Time: 0.023 seconds
Response Status: 400 - Bad Request

400

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "error": "Cuando se hace una resta no se puede dividir entre 0"
}
```

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Resta de 3 operandos:

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Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/resta

POST

Payload:

```
{
  "operando1": 16,
  "operando2": 0,
  "operando3": 2
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/resta
Request Method: POST
Response Time: 0.022 seconds
Response Status: 200 - OK

200

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "resultado": 14
}
```

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Si no ponemos ninguna de las operaciones permitidas, en este caso puse fallo:

Request Settings

URL: ☆ http://localhost:8080/api/v1/calculadora/fallo

POST

Payload:

```
{
  "operando1": 16,
  "operando2": 0,
  "operando3": 2
}
```

Custom Headers

Authentication

Send Request

Response

Request URL: http://localhost:8080/api/v1/calculadora/fallo
Request Method: POST
Response Time: 0.032 seconds
Response Status: 400 - Bad Request

400

Response Body

Response Body (RAW)

Response Headers

Request Details

```
{
  "error": "Operacion no valida"
}
```

Copy Request

Copy Response