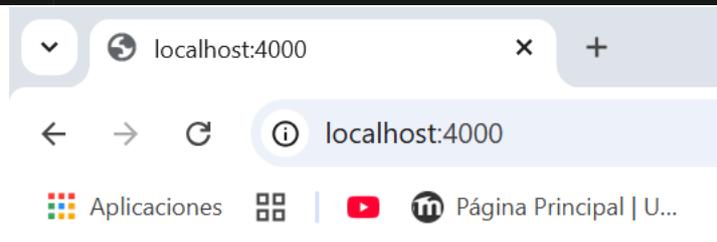


GRUPO 1: JAVASCRIPT EN EL BACKEND

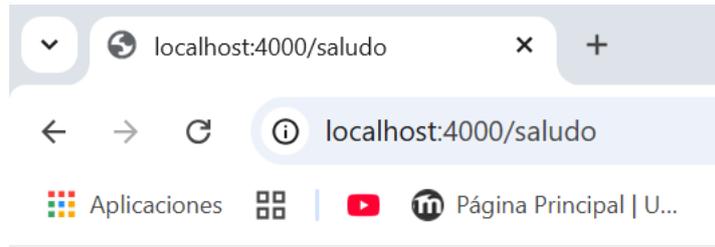
INTERGRANTES: Sebastian Inca, Andrés Peñafiel

EJEMPLO 1:

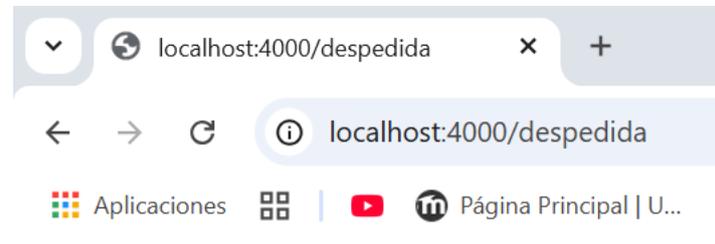
```
EXPLORER  ...  {} package.json  JS server.js  X  
MI-BACKEND1  
  > node_modules  
  {} package-lock.json  
  {} package.json  
  JS server.js  
JS server.js > ...  
1  const express = require('express');  
2  const app = express();  
3  const port = 4000;  
4  
5  // Rutas simples  
6  app.get('/', (req, res) => {  
7    res.send('¡Hola desde la ruta principal!');  
8  });  
9  
10 app.get('/saludo', (req, res) => {  
11   res.send('Hola en la ruta de saludo');  
12 });  
13  
14 app.get('/despedida', (req, res) => {  
15   res.send('Adios desde la ruta de despedida');  
16 });  
17  
18 app.listen(port, () => {  
19   console.log(`Servidor escuchando en http://localhost:${port}`);  
20 });  
PROBLEMS  OUTPUT  DEBUG CONSOLE  PORTS  TERMINAL  
PS C:\Users\MSI 2025\mi-backend1> node server.js  
Servidor escuchando en http://localhost:4000  
█
```



¡Hola desde la ruta principal!



Hola en la ruta de saludo



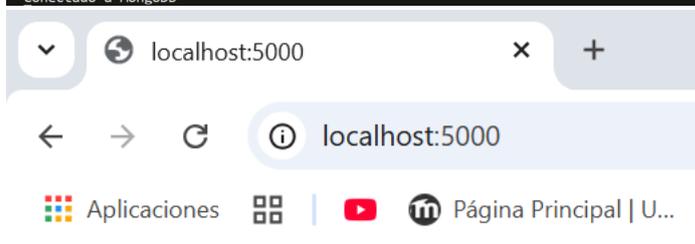
Adios desde la ruta de despedida

EJEMPLO 2:

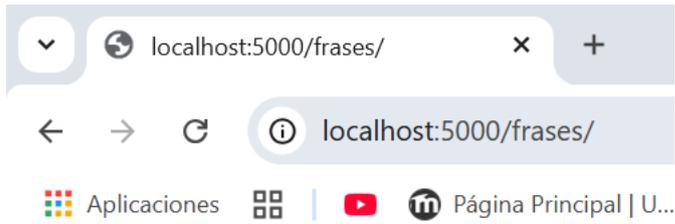
```
JS server.js x package-lock.json
JS server.js > ...
1  const express = require('express');
2  const mongoose = require('mongoose');
3  const app = express();
4  const PORT = 5000;
5
6  // Conexión a MongoDB (local o Atlas)
7  mongoose.connect('mongodb://localhost:27017/motivacion', {
8    useNewUrlParser: true,
9    useUnifiedTopology: true
10 }).then(() => console.log('Conectado a MongoDB'))
11   .catch(err => console.error('Error al conectar a MongoDB:', err));
12
13 // Modelo simple de Frase
14 const Frase = mongoose.model('Frase', new mongoose.Schema({
15   texto: String
16 }));
17
18 app.use(express.json());
19
20 // Ruta principal
21 app.get('/', (req, res) => {
22   res.send('¡Hola desde la ruta principal con MongoDB!');
23 });
```

PROBLEMS OUTPUT DEBUG CONSOLE PORTS TERMINAL

```
PS C:\Users\MSI 2025\mi-backend2> node server.js
(node:18264) [MONGODB DRIVER] Warning: useNewUrlParser is a deprecated option: useNewUrlParser has no effect since Node.js Driver version 4.0.0 and will be removed in the next major version
(Use `node --trace-warnings ...` to show where the warning was created)
(node:18264) [MONGODB DRIVER] Warning: useUnifiedTopology is a deprecated option: useUnifiedTopology has no effect since Node.js Driver version 4.0.0 and will be removed in the next major version
Servidor escuchando en http://localhost:5000
Conectado a MongoDB
```

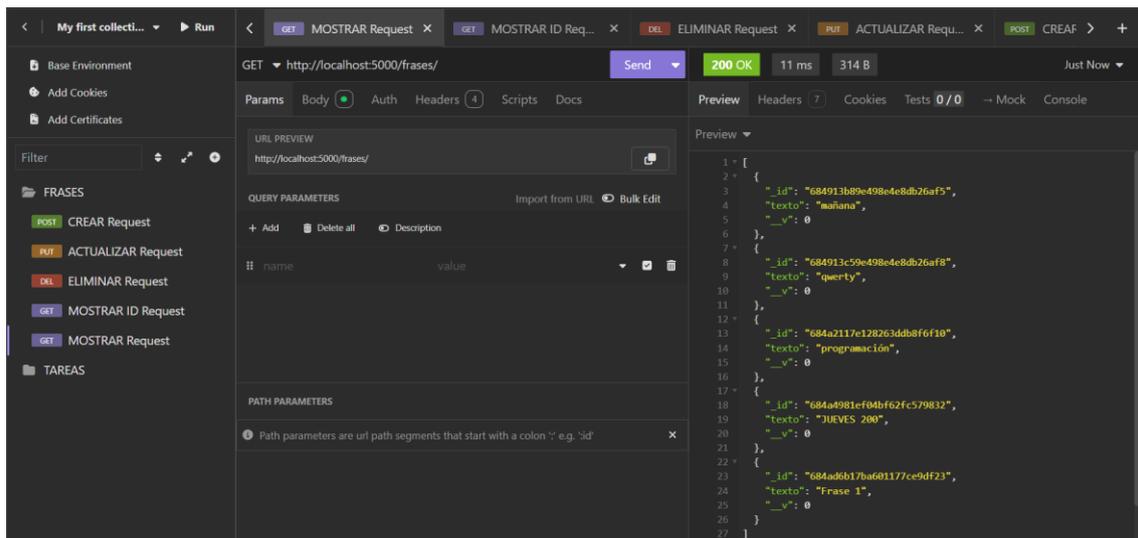


¡Hola desde la ruta principal con MongoDB!



Dar formato al texto

```
[
  {
    "_id": "684913b89e498e4e8db26af5",
    "texto": "mañana",
    "__v": 0
  },
  {
    "_id": "684913c59e498e4e8db26af8",
    "texto": "qwerty",
    "__v": 0
  },
  {
    "_id": "684a2117e128263ddb8f6f10",
    "texto": "programación",
    "__v": 0
  },
  {
    "_id": "684a4981ef04bf62fc579832",
    "texto": "JUEVES 200",
    "__v": 0
  }
]
```



DELETE http://localhost:5000/frases/684a2117e128263ddb8f6f10 Send 200 OK 37 ms 29 B Just Now

Params Body Auth Headers 4 Scripts Docs Preview Headers 7 Cookies Tests 0/0 → Mock Console

JSON Preview

```
1 ...
2 {
3   "mensaje": "Frase eliminada"
4 }
```

GET http://localhost:5000/frases/684a4981ef04bf62fc579832 Send 200 OK 15 ms 63 B Just Now

Params Body Auth Headers 4 Scripts Docs Preview Headers 7 Cookies Tests 0/0 → Mock Console

JSON Preview

```
1 ...
2 {
3   "_id": "684a4981ef04bf62fc579832",
4   "texto": "JUEVES 200",
5   "__v": 0
6 }
```

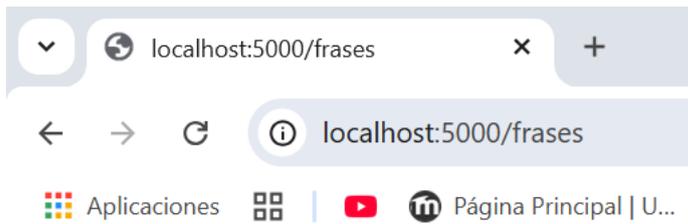
localhost:5000/frases/684a4981 x +

localhost:5000/frases/684a4981ef04bf62fc579832

Aplicaciones | YouTube | Página Principal | U...

Dar formato al texto

```
{
  "_id": "684a4981ef04bf62fc579832",
  "texto": "JUEVES 200",
  "__v": 0
}
```



Dar formato al texto

```
[
  {
    "_id": "684913b89e498e4e8db26af5",
    "texto": "mañana",
    "__v": 0
  },
  {
    "_id": "684913c59e498e4e8db26af8",
    "texto": "Frase cambiada",
    "__v": 0
  },
  {
    "_id": "684a4981ef04bf62fc579832",
    "texto": "JUEVES 200",
    "__v": 0
  },
  {
    "_id": "684ad6b17ba601177ce9df23",
    "texto": "Frase 1",
    "__v": 0
  }
]
```

```
mongosh mongodb://127.0.0.1:27017/
Microsoft Windows [Versión 10.0.26100.4061]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\MSI 2025>mongosh
Current Mongosh Log ID: 684ad6b2b7616e238ab5f898
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.0
Using MongoDB:     8.0.9
Using Mongosh:    2.5.0
mongosh 2.5.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://www.mongodb.com/docs/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-06-11T08:20:04.966-05:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

test> use motivacion
switched to db motivacion
motivacion> show collections
frases
motivacion> db.frases.find().pretty()
[
  {
    _id: ObjectId('684913b89e498e4e8db26af5'),
    texto: 'mañana',
    __v: 0
  },
  {
    _id: ObjectId('684913c59e498e4e8db26af8'),
    texto: 'Frase cambiada',
    __v: 0
  },
  {
    _id: ObjectId('684a4981ef04bf62fc579832'),
    texto: 'JUEVES 200',
    __v: 0
  },
  {
    _id: ObjectId('684ad6b17ba601177ce9df23'),
    texto: 'Frase 1',
    __v: 0
  }
]
motivacion> |
```

MongoDB Compass - localhost:27017/motivacion.frases

Connections Edit View Collection Help

Compass

{ } My Queries

CONNECTIONS (1)

Search connections

- localhost:27017
 - admin
 - amitdb
 - config
 - local
 - motivacion
 - frases
 - tareadb

localhost:27017 > motivacion > frases

Documents 4 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

ADD DATA EXPORT DATA UPDATE DELETE

25 1 - 4 of 4

```
{ "_id": ObjectId('684913b89e498e4e8db26af5'), "texto": "mañana", "__v": 0 }
```

```
{ "_id": ObjectId('684913c59e498e4e8db26af8'), "texto": "Frase cambiada", "__v": 0 }
```

```
{ "_id": ObjectId('684a4981ef04bf62fc579832'), "texto": "JUEVES 200", "__v": 0 }
```

```
{ "_id": ObjectId('684ad6b17ba601177ce9df23'), "texto": "Frase 1", "__v": 0 }
```