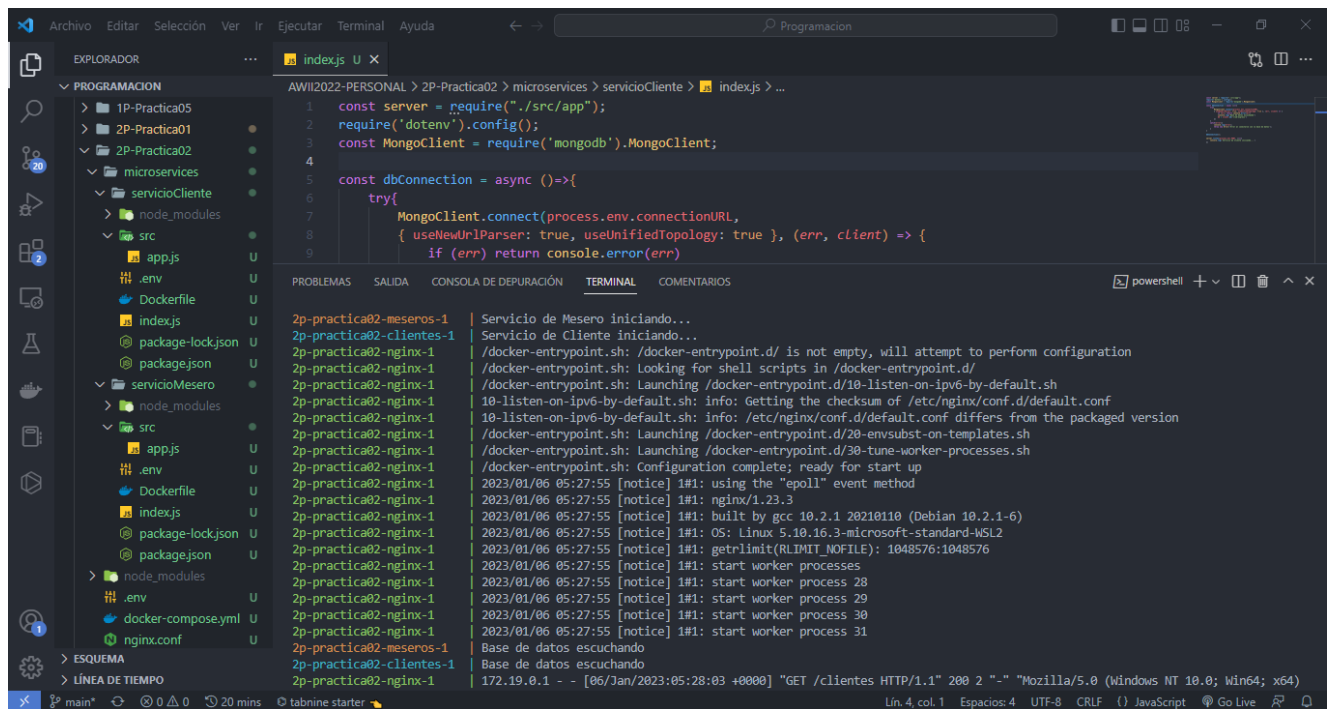


## Complementario 2: Microservicios con Docker.

-Máquina de Docker ejecutando.



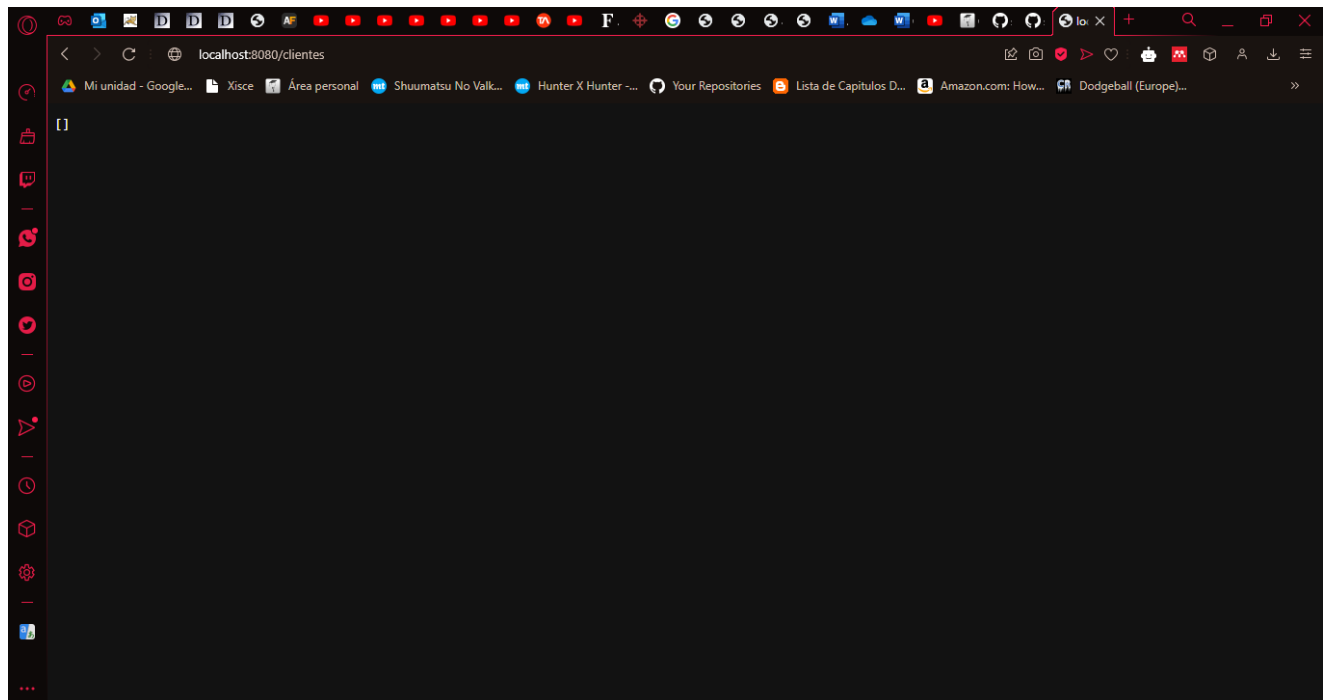
The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane displays a project structure for '2P-Practica02'. The project contains a 'microservices' directory with sub-directories 'servicioCliente' and 'servicioMesero'. The 'servicioCliente' directory contains 'node\_modules', 'src', 'appjs', '.env', 'Dockerfile', 'package-lock.json', 'package.json', and 'node\_modules'. The 'servicioMesero' directory contains 'node\_modules', 'src', 'appjs', '.env', 'Dockerfile', 'package-lock.json', 'package.json', and 'node\_modules'. The 'Dockerfile' file is selected. The main editor shows the 'indexjs' file in the 'servicioCliente' directory, which contains the following code:

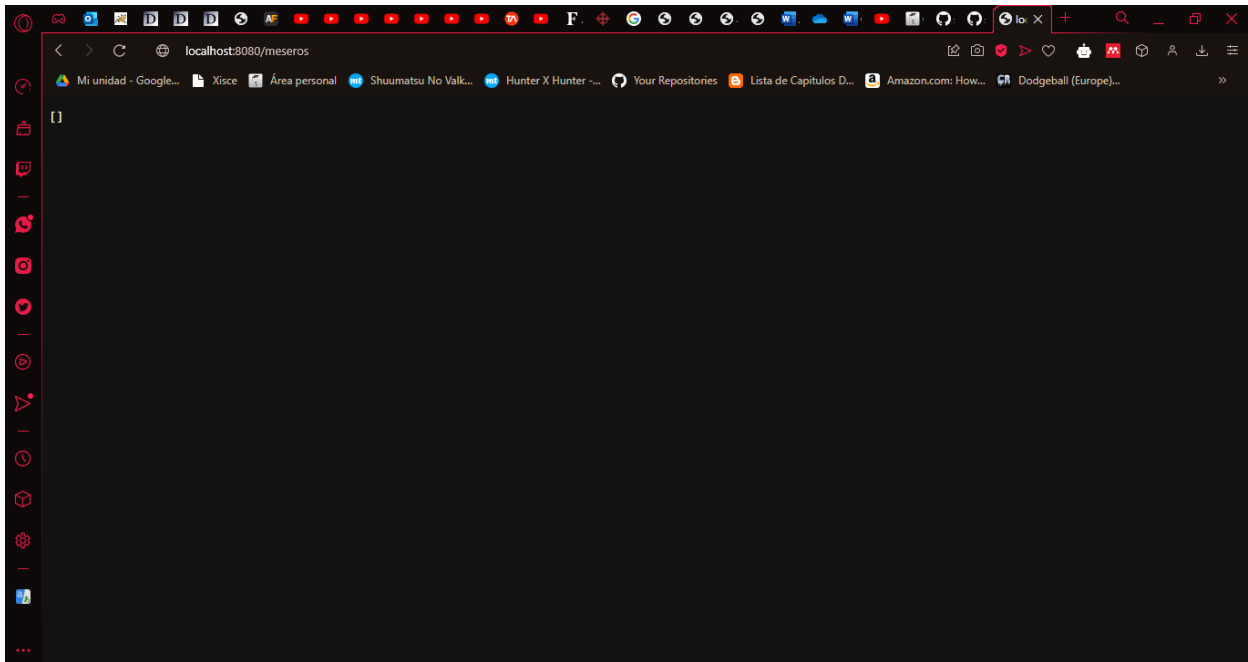
```
1 const server = require("../src/app");
2 require('dotenv').config();
3 const MongoClient = require('mongodb').MongoClient;
4
5 const dbConnection = async ()=>{
6   try{
7     MongoClient.connect(process.env.connectionURL,
8       { useNewUrlParser: true, useUnifiedTopology: true }, (err, client) => {
9         if (err) return console.error(err)
```

The terminal window at the bottom shows the output of the Docker command. It displays the following messages:

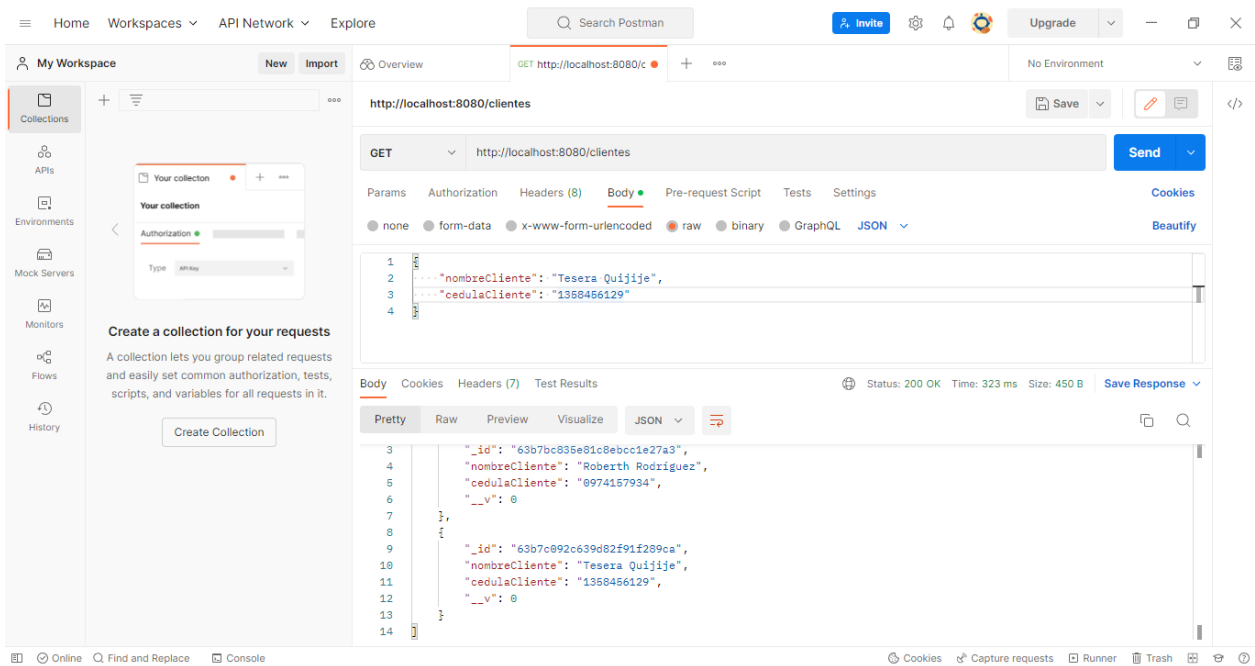
```
2p-practica02-meseros-1 | Servicio de Mesero iniciando...
2p-practica02-clientes-1 | Servicio de Cliente iniciando...
2p-practica02-nginx-1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
2p-practica02-nginx-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
2p-practica02-nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
2p-practica02-nginx-1 | 10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
2p-practica02-nginx-1 | 10-listen-on-ipv6-by-default.sh: info: /etc/nginx/conf.d/default.conf differs from the packaged version
2p-practica02-nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
2p-practica02-nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
2p-practica02-nginx-1 | /docker-entrypoint.sh: Configuration complete; ready for start up
2023/01/06 05:27:55 [notice] 1#1: using the "epoll" event method
2023/01/06 05:27:55 [notice] 1#1: nginx/1.23.3
2023/01/06 05:27:55 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2023/01/06 05:27:55 [notice] 1#1: OS: Linux 5.10.16.3-microsoft-standard-WSL2
2023/01/06 05:27:55 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/01/06 05:27:55 [notice] 1#1: start worker processes
2023/01/06 05:27:55 [notice] 1#1: start worker process 28
2023/01/06 05:27:55 [notice] 1#1: start worker process 29
2023/01/06 05:27:55 [notice] 1#1: start worker process 30
2023/01/06 05:27:55 [notice] 1#1: start worker process 31
2p-practica02-meseros-1 | Base de datos escuchando
2p-practica02-clientes-1 | Base de datos escuchando
172.19.0.1 - - [06/Jan/2023:05:28:03 +0000] "GET /clientes HTTP/1.1" 200 2 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
```

-Microservicios ejecutando en navegador.





-Pruebas realizadas con POSTMAN.



Home Workspaces API Network Explore Search Postman

My Workspace New Import Overview POST http://localhost:8080/clients

Save

POST http://localhost:8080/clients

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

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

```
1 [
2   "nombreCliente": "Tesera Quijije",
3   "cedulaCliente": "1358456129"
4 ]
```

Body Cookies Headers (7) Test Results Status: 201 Created Time: 242 ms Size: 344 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "nombreCliente": "Tesera Quijije",
3   "cedulaCliente": "1358456129",
4   "_id": "63b7c892c639d82f91f289ca",
5   "__v": 0
6 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash

Home Workspaces API Network Explore Search Postman

My Workspace New Import Overview GET http://localhost:8080/clients/id

Save

GET http://localhost:8080/clients/id

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

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

```
1 [
2   "_id": "63b7bc835e81c8ebcc1e27a3",
3   "nombreCliente": "Mayra Vasquez",
4   "cedulaCliente": "0974157934",
5   "__v": 0
6 ]
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 183 ms Size: 338 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "_id": "63b7bc835e81c8ebcc1e27a3",
3   "nombreCliente": "Mayra Vasquez",
4   "cedulaCliente": "0974157934",
5   "__v": 0
6 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash

HomeWorkspacesAPI NetworkExplore

Search Postman

InviteSettingsNotificationsUpgrade

My Workspace

NewImport

OverviewGET http://localhost:8080/c

No Environment

Collections

APIs

Environments

Mock Servers

Monitors

Flows

History

Your collection

Authorization

Type API key

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

http://localhost:8080/clientes

Save

Send

GET http://localhost:8080/clientes

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

1234567

123456789101112

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

123456789101112

Status: 200 OKTime: 192 msSize: 445 BSave Response

OnlineFind and ReplaceConsole

CookiesCapture requestsRunnerTrash

HomeWorkspacesAPI NetworkExplore

Search Postman

InviteSettingsNotificationsUpgrade

My Workspace

NewImport

OverviewDEL http://localhost:8080/c

No Environment

Collections

APIs

Environments

Mock Servers

Monitors

Flows

History

Your collection

Authorization

Type API key

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

http://localhost:8080/clientes/id

Save

Send

DELETE http://localhost:8080/clientes/id

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

KEYVALUEDESCRIPTIONBulk Edit

KeyValueDescription

Path Variables

KEYVALUEDESCRIPTIONBulk Edit

id63b7bc835e81c8ebcc1e27a3Description

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

123456

Status: 200 OKTime: 171 msSize: 338 BSave Response

OnlineFind and ReplaceConsole

CookiesCapture requestsRunnerTrash