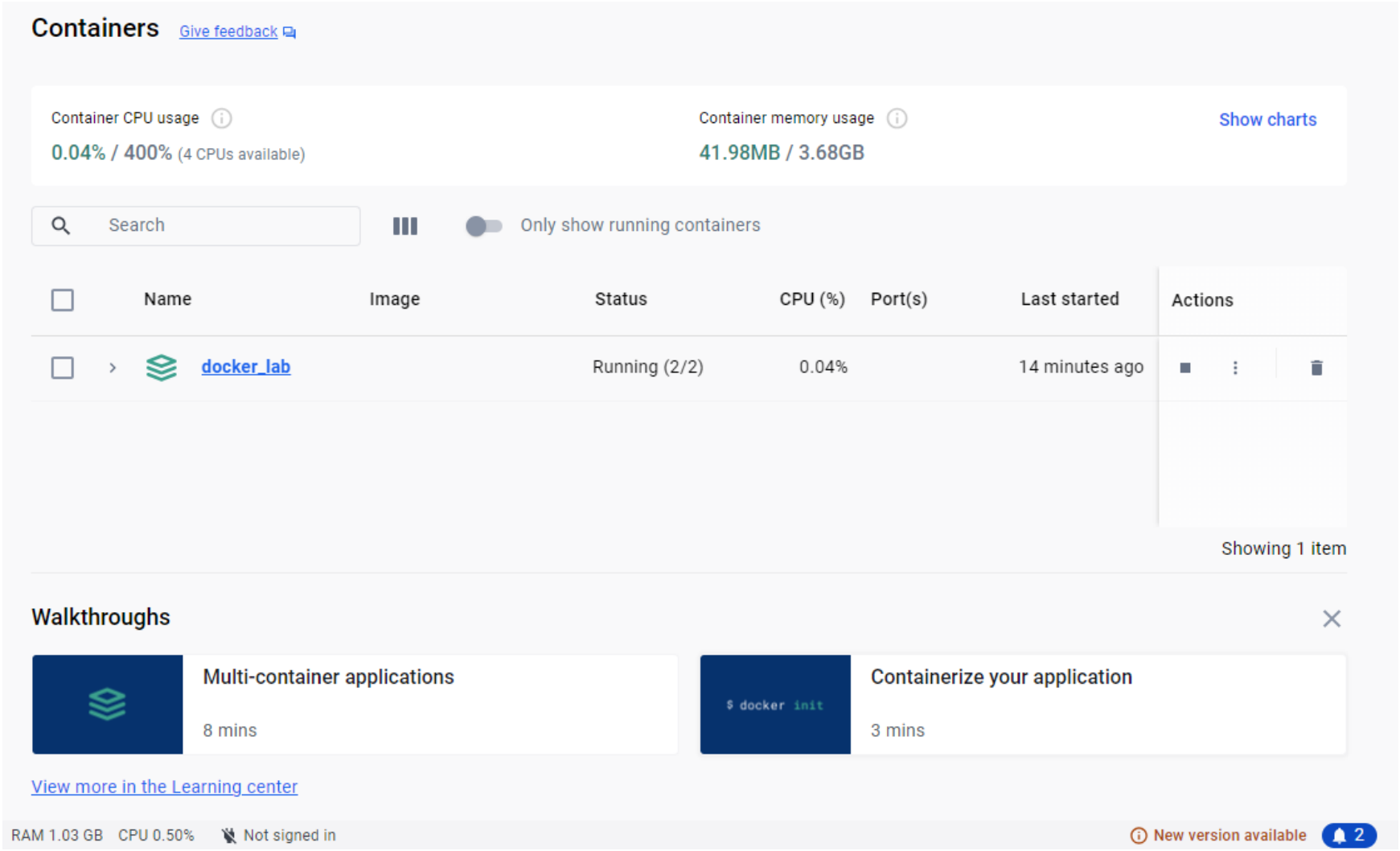
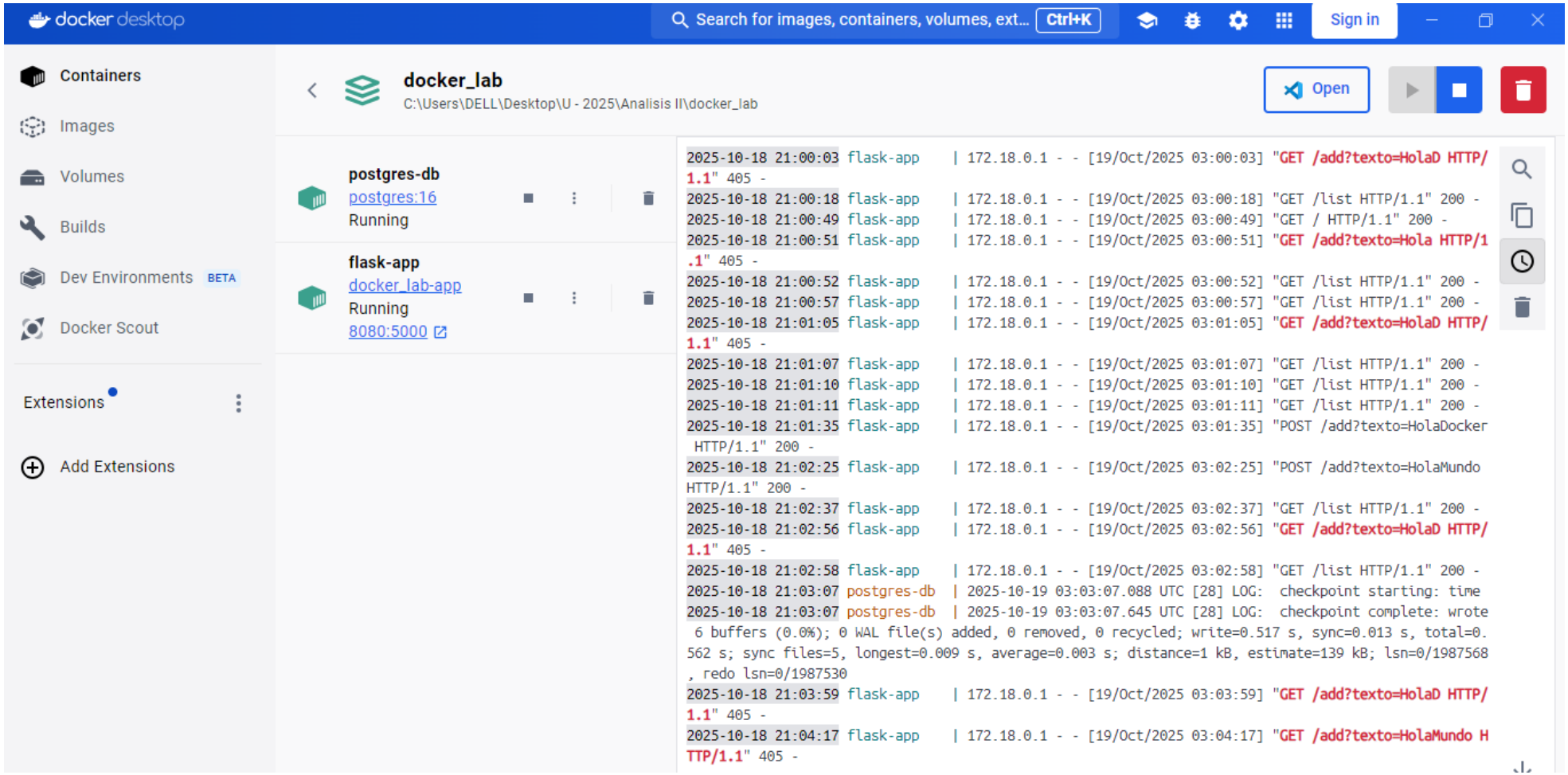
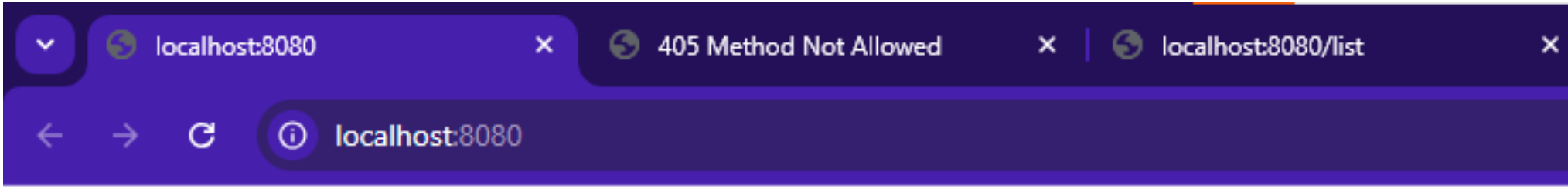
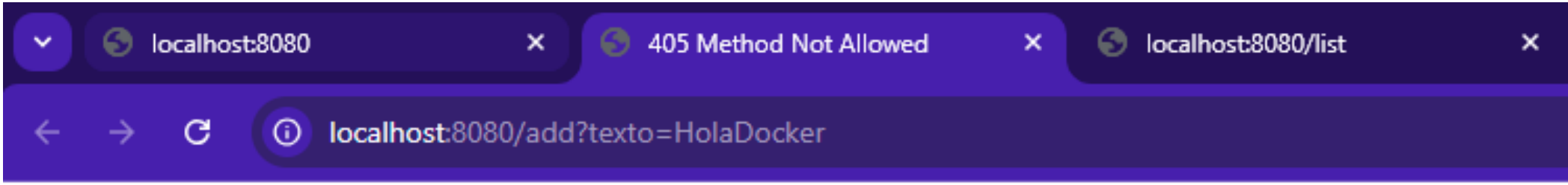
Link de GitHub: https://github.com/GGbrie/Hoja_Trabajo.git




docker desktop
Search for images, containers, volumes, ext... Ctrl+K
Sign in
Containers
Images
Volumes
Builds
Dev Environments BETA
Docker Scout
Extensions
Add Extensions
docker_lab
C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab
Open
postgres-db
postgres:16
Running
flask-app
docker_lab-app
Running
8080:5000
2025-10-18 21:00:03 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:03] "GET /add?texto=HolaD HTTP/1.1" 405 -
2025-10-18 21:00:18 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:18] "GET /list HTTP/1.1" 200 -
2025-10-18 21:00:49 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:49] "GET / HTTP/1.1" 200 -
2025-10-18 21:00:51 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:51] "GET /add?texto=Hola HTTP/1.1" 405 -
2025-10-18 21:00:52 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:52] "GET /list HTTP/1.1" 200 -
2025-10-18 21:00:57 flask-app | 172.18.0.1 - - [19/Oct/2025 03:00:57] "GET /list HTTP/1.1" 200 -
2025-10-18 21:01:05 flask-app | 172.18.0.1 - - [19/Oct/2025 03:01:05] "GET /add?texto=HolaD HTTP/1.1" 405 -
2025-10-18 21:01:07 flask-app | 172.18.0.1 - - [19/Oct/2025 03:01:07] "GET /list HTTP/1.1" 200 -
2025-10-18 21:01:10 flask-app | 172.18.0.1 - - [19/Oct/2025 03:01:10] "GET /list HTTP/1.1" 200 -
2025-10-18 21:01:11 flask-app | 172.18.0.1 - - [19/Oct/2025 03:01:11] "GET /list HTTP/1.1" 200 -
2025-10-18 21:01:35 flask-app | 172.18.0.1 - - [19/Oct/2025 03:01:35] "POST /add?texto=HolaDocker HTTP/1.1" 200 -
2025-10-18 21:02:25 flask-app | 172.18.0.1 - - [19/Oct/2025 03:02:25] "POST /add?texto=HolaMundo HTTP/1.1" 200 -
2025-10-18 21:02:37 flask-app | 172.18.0.1 - - [19/Oct/2025 03:02:37] "GET /list HTTP/1.1" 200 -
2025-10-18 21:02:56 flask-app | 172.18.0.1 - - [19/Oct/2025 03:02:56] "GET /add?texto=HolaD HTTP/1.1" 405 -
2025-10-18 21:02:58 flask-app | 172.18.0.1 - - [19/Oct/2025 03:02:58] "GET /list HTTP/1.1" 200 -
2025-10-18 21:03:07 postgres-db | 2025-10-19 03:03:07.088 UTC [28] LOG: checkpoint starting: time
2025-10-18 21:03:07 postgres-db | 2025-10-19 03:03:07.645 UTC [28] LOG: checkpoint complete: wrote 6 buffers (0.0%); 0 WAL file(s) added, 0 removed, 0 recycled; write=0.517 s, sync=0.013 s, total=0.562 s; sync files=5, longest=0.009 s, average=0.003 s; distance=1 kB, estimate=139 kB; lsn=0/1987568, redo lsn=0/1987530
2025-10-18 21:03:59 flask-app | 172.18.0.1 - - [19/Oct/2025 03:03:59] "GET /add?texto=HolaD HTTP/1.1" 405 -
2025-10-18 21:04:17 flask-app | 172.18.0.1 - - [19/Oct/2025 03:04:17] "GET /add?texto=HolaMundo HTTP/1.1" 405 -

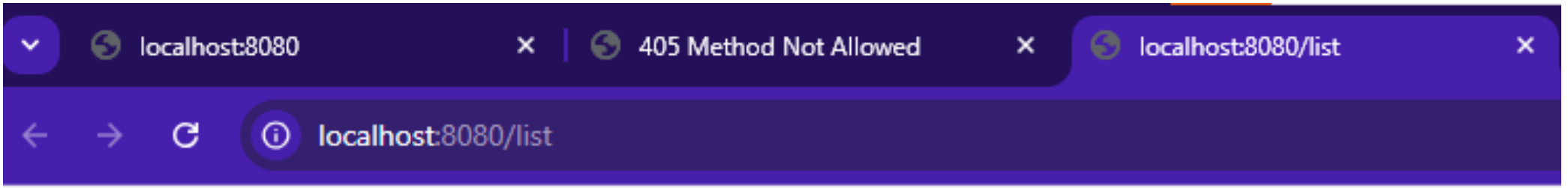


App connected to PostgreSQL



Method Not Allowed

The method is not allowed for the requested URL.



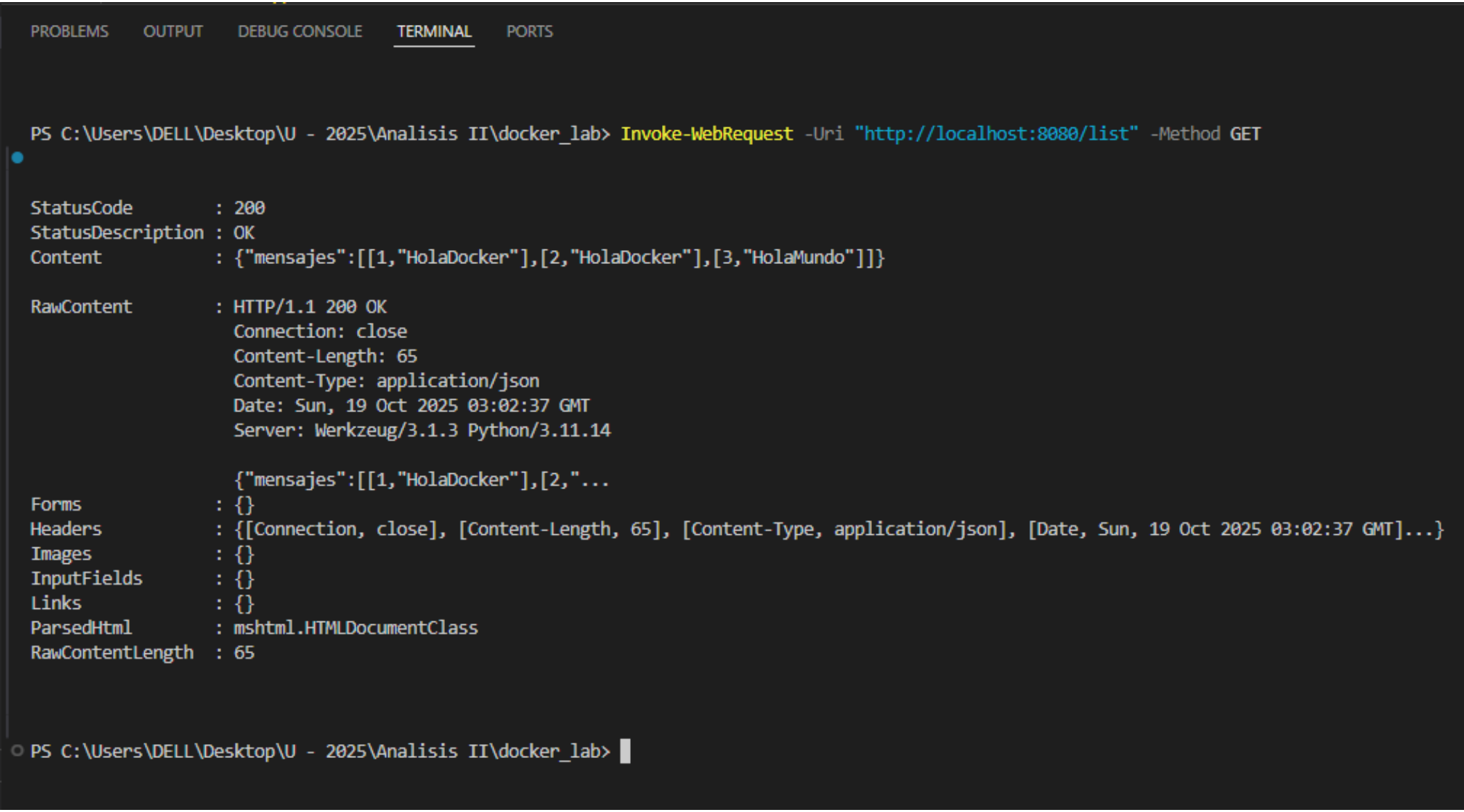
ar formato al texto


```
"mensajes": [
  [1, "HolaDocker"
  ],
  [2, "HolaDocker"
  ],
  [3, "HolaMundo"
  ]
]
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> docker compose up -d
[+] Running 2/2
 ✓ Container postgres-db  Started                                0.0s
 ✓ Container flask-app    Started                                3.9s
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> docker ps
CONTAINER ID   IMAGE            COMMAND                  CREATED          STATUS          PORTS                    NAMES
a3733b9dc39e   docker_lab-app   "python app.py"          22 seconds ago   Up 19 seconds   0.0.0.0:8080->5000/tcp   flask-app
3b20376cbb14   postgres:16      "docker-entrypoint.s…"   27 minutes ago   Up 20 seconds   5432/tcp                 postgres-db
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> curl http://localhost:8080


StatusCode        : 200
StatusDescription : OK
Content           : App connected to PostgreSQL
RawContent        : HTTP/1.1 200 OK
                    Connection: close
                    Content-Length: 28
                    Content-Type: text/html; charset=utf-8
                    Date: Sun, 19 Oct 2025 02:51:56 GMT
                    Server: Werkzeug/3.1.3 Python/3.11.14

                    App connected to PostgreSQ...
Forms             : {}
Headers           : {[Connection, close], [Content-Length, 28], [Content-Type, text/html; charset=utf-8], [Date, Sun, 19 Oct 2025 02:51:56
                    GMT]...}
Images            : {}
InputFields       : {}
Links             : {}
ParsedHtml        : mshtml.HTMLDocumentClass
RawContentLength  : 28
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> Invoke-WebRequest -Uri "http://localhost:8080/add?texto=HolaMundo" -Method POST


StatusCode        : 200
StatusDescription : OK
Content           : Message added: HolaMundo
RawContent        : HTTP/1.1 200 OK
                    Connection: close
                    Content-Length: 24
                    Content-Type: text/html; charset=utf-8
                    Date: Sun, 19 Oct 2025 03:02:25 GMT
                    Server: Werkzeug/3.1.3 Python/3.11.14

                    Message added: HolaMundo
Forms             : {}
Headers           : {[Connection, close], [Content-Length, 24], [Content-Type, text/html; charset=utf-8], [Date, Sun, 19 Oct 2025 03:02:25
                    GMT]...}
Images            : {}
InputFields       : {}
Links             : {}
ParsedHtml        : mshtml.HTMLDocumentClass
RawContentLength  : 24
```


PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> Invoke-WebRequest -Uri "http://localhost:8080/list" -Method GET
StatusCode : 200
StatusDescription : OK
Content : {"mensajes":[[1,"HolaDocker"],[2,"HolaDocker"],[3,"HolaMundo"]]}
RawContent : HTTP/1.1 200 OK
Connection: close
Content-Length: 65
Content-Type: application/json
Date: Sun, 19 Oct 2025 03:02:37 GMT
Server: Werkzeug/3.1.3 Python/3.11.14
{"mensajes":[[1,"HolaDocker"],[2,"...
Forms : {}
Headers : {[Connection, close], [Content-Length, 65], [Content-Type, application/json], [Date, Sun, 19 Oct 2025 03:02:37 GMT]...}
Images : {}
InputFields : {}
Links : {}
ParsedHtml : mshtml.HTMLDocumentClass
RawContentLength : 65
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab>

Contenedores detenidos y verifica persistencia:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> docker compose down
[+] Running 3/3
 ✓ Container flask-app          Removed                                  10.8s
 ✓ Container postgres-db        Removed                                   0.5s
 ✓ Network docker_lab_default   Removed                                   0.2s
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> docker compose up -d
[+] Running 2/3
 - Network docker_lab_default   Created                                   2.1s
 ✓ Container postgres-db        Started                                   1.4s
 ✓ Container flask-app          Started                                   1.7s
PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab> curl http://localhost:8080/list


StatusCode        : 200
StatusDescription : OK
Content           : {"mensajes":[[1,"HolaDocker"],[2,"HolaDocker"],[3,"HolaMundo"]]}

RawContent        : HTTP/1.1 200 OK
                    Connection: close
                    Content-Length: 65
                    Content-Type: application/json
                    Date: Sun, 19 Oct 2025 03:15:40 GMT
                    Server: Werkzeug/3.1.3 Python/3.11.14

                    {"mensajes":[[1,"HolaDocker"],[2,"...
Forms             : {}
Headers           : {[Connection, close], [Content-Length, 65], [Content-Type, application/json], [Date, Sun, 19 Oct 2025 03:15:40 GMT]...}
Images            : {}
InputFields       : {}
Links             : {}
ParsedHtml        : mshtml.HTMLDocumentClass
RawContentLength  : 65



PS C:\Users\DELL\Desktop\U - 2025\Analisis II\docker_lab>
```