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ЗВІТ

про виконання практикуму №1
з дисципліни «**Високонавантажені розподілені обчислювальні
системи**»

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Завдання 1 Hello-world

docker-compose.yml

```
version: "3.9"
services:
  hello_world:
    image: hello-world
```

Результат роботи

```
khomy@DESKTOP-LSQFTM1 MINGW64 /d/BPOC/HDACS_Lab_1_Docker/task-1 (master)
$ docker-compose up
Creating network "task-1_default" with the default driver
Creating task-1_hello_world_1 ... done
Attaching to task-1_hello_world_1
hello_world_1 |
hello_world_1 | Hello from Docker!
hello_world_1 | This message shows that your installation appears to be working
hello_world_1 | correctly.
hello_world_1 |
hello_world_1 | To generate this message, Docker took the following steps:
hello_world_1 |   1. The Docker client contacted the Docker daemon.
hello_world_1 |   2. The Docker daemon pulled the "hello-world" image from the Docker
hello_world_1 |      Hub.
hello_world_1 |      (amd64)
hello_world_1 |   3. The Docker daemon created a new container from that image which
hello_world_1 |      runs the
hello_world_1 |      executable that produces the output you are currently reading.
hello_world_1 |   4. The Docker daemon streamed that output to the Docker client, which
hello_world_1 |      sent it
hello_world_1 |      to your terminal.
hello_world_1 |
hello_world_1 | To try something more ambitious, you can run an Ubuntu container with:
hello_world_1 | $ docker run -it ubuntu bash
hello_world_1 |
hello_world_1 | Share images, automate workflows, and more with a free Docker ID:
hello_world_1 | https://hub.docker.com/
hello_world_1 |
hello_world_1 | For more examples and ideas, visit:
hello_world_1 | https://docs.docker.com/get-started/
task-1_hello_world_1 exited with code 0
```

Завдання 2 Lite-server

docker-compose.yml

```
version: "3.9"

services:
  lite_server:
    image: node
    working_dir: /lite_server
    volumes:
      - .:/lite_server
    ports:
      - 8000:3000
    command: bash script.sh
```

Результати роботи

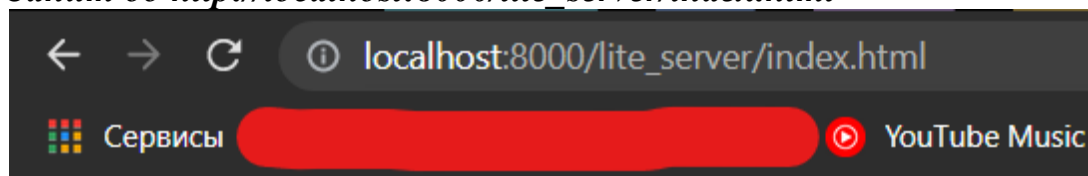
```
khomy@DESKTOP-LSQFTM1 MINGW64 /d/BPOC/HDACS_Lab_1_Docker/task-2 (master)
$ docker-compose up
Recreating task-2_lite_server_1 ... done
Attaching to task-2_lite_server_1
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4 <
```

```

4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4.3.1.
(https://github.com/visionmedia/debug/issues/797)
)
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4 <
4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4.3.1.
(https://github.com/visionmedia/debug/issues/797)
)
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4 <
4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4.3.1.
(https://github.com/visionmedia/debug/issues/797)
)
lite_server_1 |
lite_server_1 | added 193 packages, and audited 194 packages in 10s
lite_server_1 |
lite_server_1 | 6 packages are looking for funding
lite_server_1 |   run `npm fund` for details
lite_server_1 |
lite_server_1 | found 0 vulnerabilities
lite_server_1 | npm notice
lite_server_1 | npm notice New patch version of npm available! 8.1.0 -> 8.1.1
lite_server_1 | npm notice Change log: <https://github.com/npm/cli/releases/tag/v8.1.1>
lite_server_1 | npm notice Run `npm install -g npm@8.1.1` to update!
lite_server_1 | npm notice
lite_server_1 | Did not detect a `bs-config.json` or `bs-config.js` override file. Usin
g lite-server defaults...
lite_server_1 | ** browser-sync config **
lite_server_1 | {
lite_server_1 |   injectChanges: false,
lite_server_1 |   files: [ './**/*.html,css,js' ],
lite_server_1 |   watchOptions: { ignored: 'node_modules' },
lite_server_1 |   server: {
lite_server_1 |     baseDir: './',
lite_server_1 |     middleware: [ [Function (anonymous)], [Function (anonymous)] ]
lite_server_1 |   }
lite_server_1 | }
lite_server_1 | [Browsersync] Access URLs:
lite_server_1 | -----
lite_server_1 |      Local: http://localhost:3000
lite_server_1 |   External: http://172.19.0.2:3000
lite_server_1 | -----
lite_server_1 |      UI: http://localhost:3001
lite_server_1 |   UI External: http://localhost:3001
lite_server_1 | -----
lite_server_1 | [Browsersync] Serving files from: ./
lite_server_1 | [Browsersync] Watching files...
lite_server_1 | [Browsersync] Couldn't open browser (if you are using BrowserSync in a
headless environment, you might want to set the open option to false)
lite_server_1 | 21.10.24 12:03:54 200 GET /lite_server/index.html
Gracefully stopping... (press Ctrl+C again to force)
Stopping task-2_lite_server_1 ... done

```

Занум до http://localhost:8000/lite_server/index.html



Hello from Lite-server!

Завдання 3 JSON-server

docker-compose.yml

```
version: "3.9"

services:
  lite_server:
    image: node
    working_dir: /json_server
    volumes:
      - ./:/json_server
    ports:
      - 8000:3000
    command: bash script.sh
```

Результати роботи

khomy@DESKTOP-LSQFTM1 MINGW64 /d/БРОС/HDСS_Lab_1_Docker/task-3 (master)

\$ docker-compose up

Creating task-3_lite_server_1 ... done

Attaching to task-3_lite_server_1

```
lite_server_1 | added 173 packages, and audited 174 packages in 8s
lite_server_1 | 13 packages are looking for funding
lite_server_1 |   run `npm fund` for details
lite_server_1 | found 0 vulnerabilities
lite_server_1 | npm notice
lite_server_1 | npm notice New patch version of npm available! 8.1.0 -> 8.1.1
lite_server_1 | npm notice Change log: <https://github.com/npm/cli/releases/tag/v8.1.1>
lite_server_1 | npm notice Run `npm install -g npm@8.1.1` to update!
lite_server_1 | npm notice
lite_server_1 | \{^_^\}/ hi!
lite_server_1 | Loading example.json
lite_server_1 | Done
lite_server_1 | Resources
lite_server_1 | http://0.0.0.0:3000/employees
lite_server_1 | Home
lite_server_1 | http://0.0.0.0:3000
lite_server_1 | Type s + enter at any time to create a snapshot of the database
lite_server_1 | watching...
lite_server_1 | GET /db 200 1.883 ms - 233
lite_server_1 | GET /__rules 404 2.069 ms - 2
lite_server_1 | GET /employees 200 4.763 ms - 188
lite_server_1 | GET /employees 304 4.009 ms - -
```

Gracefully stopping... (press Ctrl+C again to force)

Stopping task-3_lite_server_1 ...

Killing task-3_lite_server_1 ... done

Занум до <https://localhost:8000/>

JSON Server

♥ GitHub Sponsors

💧 My JSON Server

😊 Supporters

Congrats!

You're successfully running JSON Server

💎.*.9(□*)9.💎.*.

Resources

[/employees](#) ^{3x}

To access and modify resources, you can use any HTTP method:

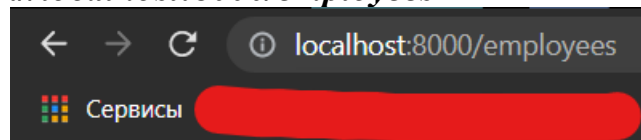
GET POST PUT PATCH DELETE OPTIONS

undefined

Documentation

[README](#)

Занум до <http://localhost:8000/employees>



```
[
  {
    "name": "Shyam",
    "email": "shyamjaiswal@gmail.com"
  },
  {
    "name": "Bob",
    "email": "bob32@gmail.com"
  },
  {
    "name": "Jai",
    "email": "jai87@gmail.com"
  }
]
```

Завдання 4 Nginx + Lite-server's + JSON-server's

docker-compose.yml

```
version: '3.9'

services:
  lite_server:
    image: node
    working_dir: /lite_server
    volumes:
      - ./lite_server:/lite_server
    command: bash script.sh
    expose:
      - 3000

  json_server:
    image: node
    working_dir: /json_server
    volumes:
      - ./json_server:/json_server
    command: bash script.sh
    expose:
      - 8080

  nginx:
    image: nginx
    volumes:
      - "./config:/etc/nginx"
    ports:
      - "3000:3000"
      - "8000:8080"
    environment:
      - NGINX_HOST=0.0.0.0
      - NGINX_PORT=80
    links:
      - json_server
      - lite_server
```

Результати роботи

```
khomy@DESKTOP-LSQFTM1 MINGW64 /d/BPOC/HDCS_Lab_1_Docker/task-4 (master)
$ docker-compose up
Starting task-4_lite_server_1 ... done
Recreating task-4_json_server_1 ... done
Recreating task-4_nginx_1 ... done
Attaching to task-4_lite_server_1, task-4_json_server_1, task-4_nginx_1
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4
<4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4
.3.1. (https://github.com/visionmedia/debug/issues/797)
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4
<4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4
.3.1. (https://github.com/visionmedia/debug/issues/797)
lite_server_1 | npm WARN deprecated debug@4.1.1: Debug versions >=3.2.0 <3.2.7 || >=4
<4.3.1 have a low-severity ReDos regression when used in a Node.js environment. It is
recommended you upgrade to 3.2.7 or 4
```

```

.3.1. (https://github.com/visionmedia/debug/issues/797)
nginx_1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt
to perform configuration
nginx_1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-
entrypoint.d/
nginx_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-
ipv6-by-default.sh
nginx_1 | 10-listen-on-ipv6-by-default.sh: info: /etc/nginx/conf.d/default.conf
is not a file or does not exist
nginx_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-
templates.sh
nginx_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-
processes.sh
nginx_1 | /docker-entrypoint.sh: Configuration complete; ready for start up
lite_server_1 |
lite_server_1 | changed 193 packages, and audited 194 packages in 5s
lite_server_1 |
lite_server_1 | 6 packages are looking for funding
lite_server_1 |   run `npm fund` for details
lite_server_1 |
lite_server_1 | found 0 vulnerabilities
lite_server_1 | Did not detect a `bs-config.json` or `bs-config.js` override file.
Using lite-server defaults...
lite_server_1 | ** browser-sync config **
lite_server_1 | {
lite_server_1 |   injectChanges: false,
lite_server_1 |   files: [ './**/*.html,htm,css,js' ],
lite_server_1 |   watchOptions: { ignored: 'node_modules' },
lite_server_1 |   server: {
lite_server_1 |     baseDir: './',
lite_server_1 |     middleware: [ [Function (anonymous)], [Function (anonymous)] ]
lite_server_1 |   }
lite_server_1 | }
lite_server_1 | [Browsersync] Access URLs:
lite_server_1 | -----
lite_server_1 |     Local: http://localhost:3000
lite_server_1 |   External: http://172.21.0.2:3000
lite_server_1 | -----
lite_server_1 |     UI: http://localhost:3001
lite_server_1 |   UI External: http://localhost:3001
lite_server_1 | -----
lite_server_1 | [Browsersync] Serving files from: ./
lite_server_1 | [Browsersync] Watching files...
lite_server_1 | [Browsersync] Couldn't open browser (if you are using BrowserSync in a
headless environment, you might want to set the open option to false)
json_server_1 |
json_server_1 | added 173 packages, and audited 174 packages in 8s
json_server_1 |
json_server_1 | 13 packages are looking for funding
json_server_1 |   run `npm fund` for details
json_server_1 |
json_server_1 | found 0 vulnerabilities
json_server_1 | npm notice
json_server_1 | npm notice New patch version of npm available! 8.1.0 -> 8.1.1
json_server_1 | npm notice Changelog: <https://github.com/npm/cli/releases/tag/v8.1.1>
json_server_1 | npm notice Run `npm install -g npm@8.1.1` to update!
json_server_1 | npm notice
json_server_1 |
json_server_1 | \{\^_\^}/ hi!
json_server_1 |
json_server_1 | Loading example.json
json_server_1 | Done
json_server_1 |
json_server_1 | Resources
json_server_1 | http://0.0.0.0:3000/employees
json_server_1 |
json_server_1 | Home
json_server_1 | http://0.0.0.0:3000
json_server_1 |
json_server_1 | Type s + enter at any time to create a snapshot of the database
json_server_1 | Watching...
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:33 +0000] "GET / HTTP/1.1" 200 808 "-"
"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:33 +0000] "GET /script.js HTTP/1.1"
200 580 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/9
4.0.4606.81 Safari/537.36"

```

```

nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:33 +0000] "GET /style.css HTTP/1.1"
200 669 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/9
4.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:33 +0000] "GET /db HTTP/1.1" 304 0
"http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/94.0.4606.
81 Safari/537.36"
json_server_1 | GET /db 304 1.788 ms - -
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:33 +0000] "GET /__rules HTTP/1.1" 404
2 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/94.0.
4606.81 Safari/537.36"
json_server_1 | GET /__rules 404 4.530 ms - 2
json_server_1 | GET /employees 304 4.872 ms - -
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:45:35 +0000] "GET /employees HTTP/1.1"
304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.
0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:06 +0000] "GET / HTTP/1.1" 304 0 "-"
"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/94.0.4606.81 Safari/537.36"
lite_server_1 | 21.10.24 15:46:06 304 GET /index.html
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:06 +0000] "GET /browser-sync/browser-
sync-client.js?v=2.27.5 HTTP/1.1" 304 0 "http://localhost:3000/" "Mozilla/5.0 (Windows
NT 10.0; Win64; x64) AppleWebKit/53
7.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:06 +0000] "GET /browser-
sync/socket.io/?EIO=3&transport=polling&t=Noo-lwC HTTP/1.1" 200 102
"http://localhost:3000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:06 +0000] "POST /browser-
sync/socket.io/?EIO=3&transport=polling&t=Noo-lwS&sid=4dY-BonoIwpBBLznAAAA HTTP/1.1" 200
2 "http://localhost:3000/" "Mozilla/5.0 (Wind
ows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81
Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:06 +0000] "GET /browser-
sync/socket.io/?EIO=3&transport=polling&t=Noo-lwV&sid=4dY-BonoIwpBBLznAAAA HTTP/1.1" 200
1908 "http://localhost:3000/" "Mozilla/5.0 (Wi
ndows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81
Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:10 +0000] "GET / HTTP/1.1" 304 0 "-"
"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:10 +0000] "GET /browser-
sync/socket.io/?EIO=3&transport=websocket&sid=4dY-BonoIwpBBLznAAAA HTTP/1.1" 101 8 "-"
"Mozilla/5.0 (Windows NT 10.0; Win64; x64) Apple
WebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:10 +0000] "GET /style.css HTTP/1.1"
304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.
0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:10 +0000] "GET /script.js HTTP/1.1"
304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.
0.4606.81 Safari/537.36"
json_server_1 | GET /db 304 0.442 ms - -
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:11 +0000] "GET /db HTTP/1.1"
304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.
81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:11 +0000] "GET /__rules
HTTP/1.1" 404 2 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64;
x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.
4606.81 Safari/537.36"
json_server_1 | GET /__rules 404 2.020 ms - 2
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:16 +0000] "GET / HTTP/1.1"
304 0 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/94.0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:16 +0000] "GET /script.js
HTTP/1.1" 304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64;
x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.
0.4606.81 Safari/537.36"
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:16 +0000] "GET /style.css
HTTP/1.1" 304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64;
x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.
0.4606.81 Safari/537.36"

```



```

nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:16 +0000] "GET /db HTTP/1.1"
304 0 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.
81 Safari/537.36"
json_server_1 | GET /db 304 0.346 ms - -
nginx_1 | 172.21.0.1 - - [24/Oct/2021:15:46:16 +0000] "GET /__rules
HTTP/1.1" 404 2 "http://localhost:8000/" "Mozilla/5.0 (Windows NT 10.0; Win64;
x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.
4606.81 Safari/537.36"
json_server_1 | GET /__rules 404 1.049 ms - 2

```

Скейлинг контейнерів

```

khomy@DESKTOP-LSQFTM1 MINGW64 /d/BPOC/HDCS_Lab_1_Docker/task-4 (master)
$ docker-compose up --scale lite_server=3 --scale json_server=3

```

```

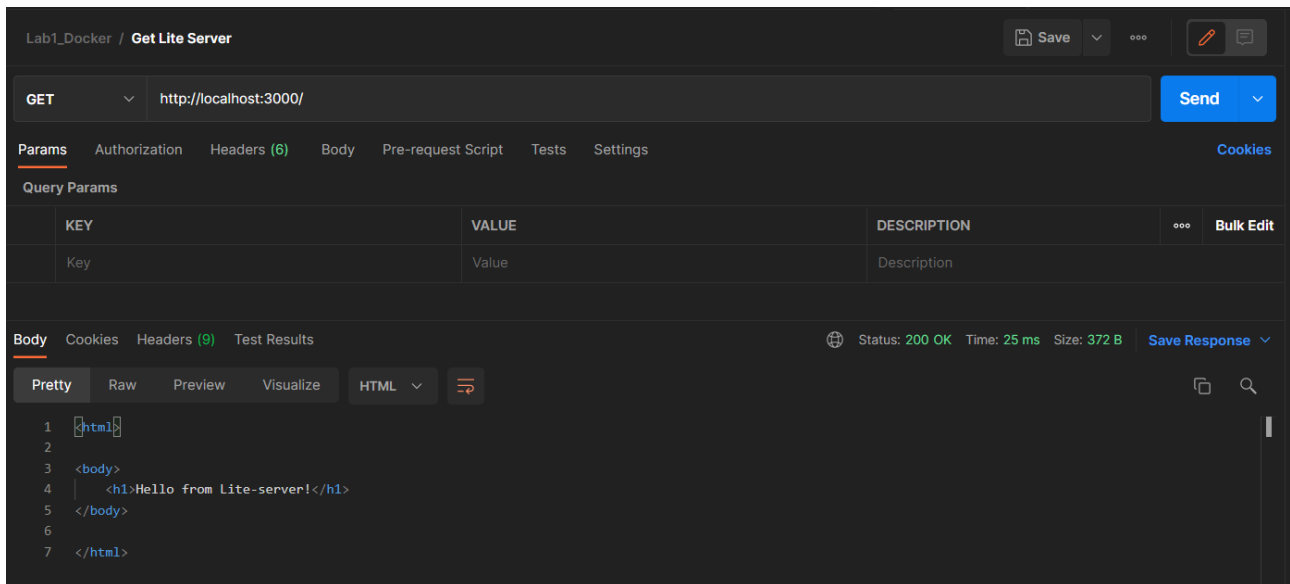
khomy@DESKTOP-LSQFTM1 MINGW64 /d/BPOC/HDCS_Lab_1_Docker/task-2/lite_server (master)
$ docker ps

```

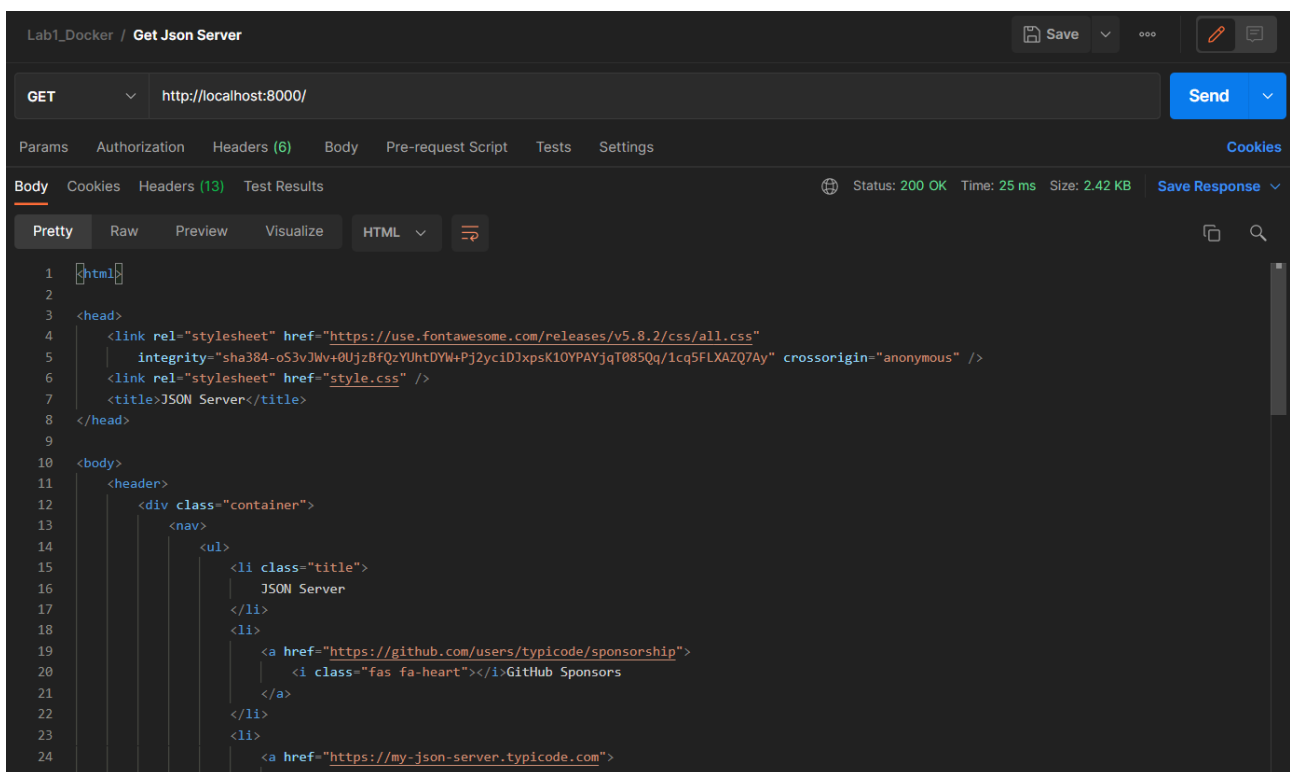
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
39458b844126	node	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	
task-4_lite_server_2					
0703673fbee2	node	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	
task-4_json_server_2					
4f1a027498b9	node	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	
task-4_json_server_3					
fb5e43e5d4ad	node	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	
task-4_lite_server_3					
64645179df05	nginx	"/docker-entrypoint...."	8 minutes ago	Up 5 minutes	
task-4_nginx_1					
98cf0c91054d	node	"docker-entrypoint.s..."	8 minutes ago	Up 5 minutes	
task-4_json_server_1					
05351d7cf41e	node	"docker-entrypoint.s..."	45 minutes ago	Up 5 minutes	
task-4_lite_server_1					

Завдання 5 Postman

Занум до <http://localhost:3000/>



Занум до <http://localhost:8000/>



```
<html>

<head>
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css"
```

```

        integrity="sha384-
oS3vJWv+0UjzBfQzYUhtDYW+Pj2yciDJxpsK10YPAYjqT085Qq/1cq5FLXAZQ7Ay" crossorigin="anonymous"
/>
    <link rel="stylesheet" href="style.css" />
    <title>JSON Server</title>
</head>

<body>
    <header>
        <div class="container">
            <nav>
                <ul>
                    <li class="title">
                        JSON Server
                    </li>
                    <li>
                        <a href="https://github.com/users/typicode/sponsorship">
                            <i class="fas fa-heart"></i>GitHub Sponsors
                        </a>
                    </li>
                    <li>
                        <a href="https://my-json-server.typicode.com">
                            <i class="fas fa-burn"></i>My JSON Server
                        </a>
                    </li>
                    <li>
                        <a href="https://thanks.typicode.com">
                            <i class="far fa-laugh"></i>Supporters
                        </a>
                    </li>
                </ul>
            </nav>
        </div>
    </header>
    <main>
        <div class="container">
            <h1>Congrats!</h1>
            <p>
                You're successfully running JSON Server
                <br />
                ✧*。٩( 'O' *) ۶✧*。
            </p>

            <div id="resources"></div>

            <p>
                To access and modify resources, you can use any HTTP method:
            </p>
            <p>
                <code>GET</code>
                <code>POST</code>
                <code>PUT</code>
                <code>PATCH</code>
            </p>
        </div>
    </main>
</body>
</html>

```

```

        <code>DELETE</code>
        <code>OPTIONS</code>
    </p>

    <div id="custom-routes"></div>

    <h1>Documentation</h1>
    <p>
        <a href="https://github.com/typicode/json-server">
            README
        </a>
    </p>
</div>
</main>

<footer>
    <div class="container">
        <p>
            To replace this page, create a
            <code>./public/index.html</code> file.
        </p>
    </div>
</footer>

    <script src="script.js"></script>
</body>
</html>

```

3anum do `http://localhost:8000/employees`

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://localhost:8000/employees
- Status:** 200 OK
- Time:** 18 ms
- Size:** 583 B
- Response Body (JSON):**

```

[
  {
    "name": "Shyam",
    "email": "shyamjaiswal@gmail.com"
  },
  {
    "name": "Bob",
    "email": "bob32@gmail.com"
  },
  {
    "name": "Jai",
    "email": "jai87@gmail.com"
  }
]

```

3anum do `http://localhost:8000/cars`

Lab1_Docker / Get Cars from Json Server

GET `http://localhost:8000/cars` [Send](#)

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
-----	-------	-------------	-----------

Body Cookies Headers (13) Test Results [Save Response](#)

Status: 200 OK Time: 11 ms Size: 549 B

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "model": "BMW",
4     "color": "black"
5   },
6   {
7     "model": "Volvo",
8     "color": "gray"
9   },
10  {
11    "model": "Porsche",
12    "color": "red"
13  }
14 }
```