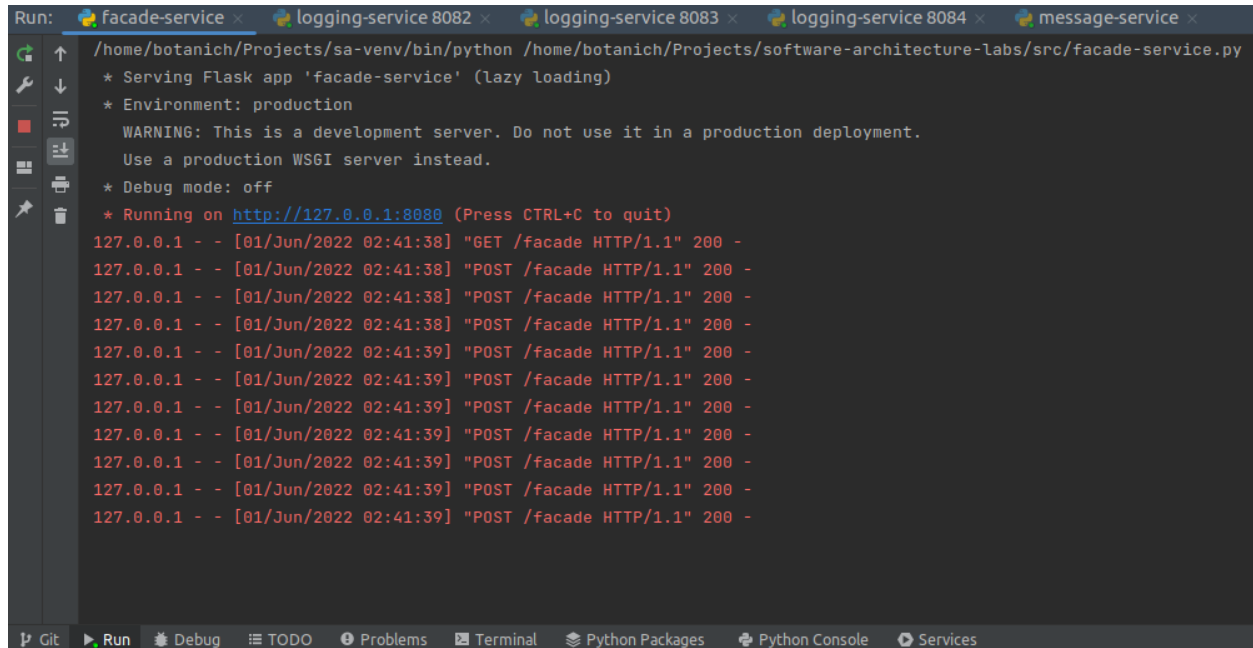


Посилання на Github репозиторій:

https://github.com/ramskyi/software-architecture-labs/tree/micro_hazelcast

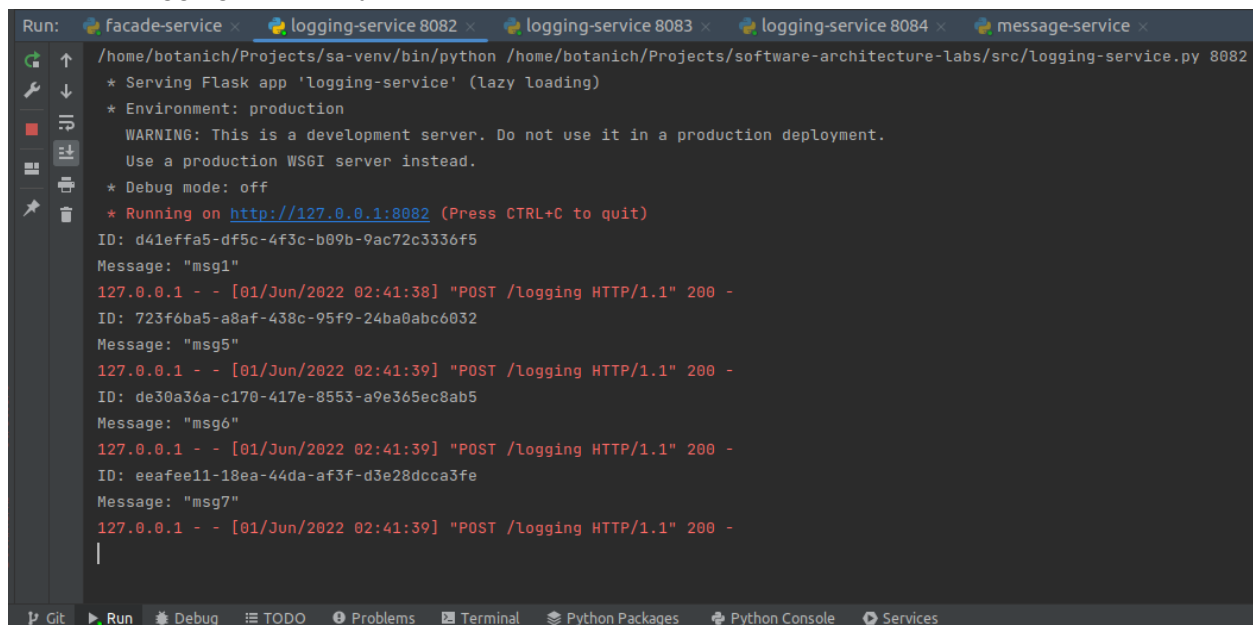
Виводи:

Термінал facade-service.py:



```
Run: facade-service x logging-service 8082 x logging-service 8083 x logging-service 8084 x message-service x
/home/botanic/Projects/sa-venv/bin/python /home/botanic/Projects/software-architecture-labs/src/facade-service.py
* Serving Flask app 'facade-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8080 (Press CTRL+C to quit)
127.0.0.1 - - [01/Jun/2022 02:41:38] "GET /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /facade HTTP/1.1" 200 -
```

Термінал logging-service.py (port 8082):



```
Run: facade-service x logging-service 8082 x logging-service 8083 x logging-service 8084 x message-service x
/home/botanic/Projects/sa-venv/bin/python /home/botanic/Projects/software-architecture-labs/src/logging-service.py 8082
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8082 (Press CTRL+C to quit)
ID: d41effa5-df5c-4f3c-b09b-9ac72c3336f5
Message: "msg1"
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /logging HTTP/1.1" 200 -
ID: 723f6ba5-a8af-438c-95f9-24ba0abc6032
Message: "msg5"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
ID: de30a36a-c170-417e-8553-a9e365ec8ab5
Message: "msg6"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
ID: eeafee11-18ea-44da-af3f-d3e28dcca3fe
Message: "msg7"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
|
```

Термінал logging-service.py (port 8083):

```
Run: facade-service x logging-service 8082 x logging-service 8083 x logging-service 8084 x message-service x
/home/botanic/Projects/sa-venv/bin/python /home/botanic/Projects/software-architecture-labs/src/logging-service.py 8083
* Running on http://127.0.0.1:8083 (Press CTRL+C to quit)
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
ID: 64b3bcd5-5967-4335-8e8a-f80c2d3830be
Message: "msg2"
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /logging HTTP/1.1" 200 -
ID: 02343040-45fe-489e-b28f-9f8eae4a33
Message: "msg3"
127.0.0.1 - - [01/Jun/2022 02:41:38] "POST /logging HTTP/1.1" 200 -
ID: bb5a646d-cd76-4171-bea5-b33dba253d4d
Message: "msg4"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
ID: f21e29d3-ffa4-43da-b0a8-91d58d633979
Message: "msg8"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
ID: 493c216c-6f5a-4981-9edc-5e658d461a82
Message: "msg9"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
|
```

Термінал logging-service.py (port 8084):

```
Run: facade-service x logging-service 8082 x logging-service 8083 x logging-service 8084 x message-service x
/home/botanic/Projects/sa-venv/bin/python /home/botanic/Projects/software-architecture-labs/src/logging-service.py 8084
* Running on http://127.0.0.1:8084 (Press CTRL+C to quit)
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
127.0.0.1 - - [01/Jun/2022 02:41:38] "GET /logging HTTP/1.1" 200 -
ID: 3a77d9fe-a80c-4731-aeaf-48678a9b21f2
Message: "msg10"
127.0.0.1 - - [01/Jun/2022 02:41:39] "POST /logging HTTP/1.1" 200 -
|
```

Термінал message-service.py:

```
Run: facade-service x logging-service 8082 x logging-service 8083 x logging-service 8084 x message-service x
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/message-service.py
* Serving Flask app 'message-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8081 (Press CTRL+C to quit)
127.0.0.1 - - [01/Jun/2022 02:41:38] "GET /messages HTTP/1.1" 200 -
|
```

Частина виводу відповідей на http запити:

```
✓ Tests passed: 11 of 11 tests - 760 ms
✓ HTTP Requests 760 ms
  > ✓ http://localhost:8080/f 68 ms
  > ✓ http://localhost:8080/f 44 ms
  > ✓ http://localhost:8080/f 81 ms
  > ✓ http://localhost:8080/f 62 ms
  > ✓ http://localhost:8080/f 95 ms
  > ✓ http://localhost:8080/f 62 ms
  > ✓ http://localhost:8080/f 74 ms
  > ✓ http://localhost:8080/f 56 ms
  > ✓ http://localhost:8080/f 62 ms
  > ✓ http://localhost:8080/f 76 ms
  > ✓ http://localhost:8080/f 80 ms

Server: Werkzeug/2.1.2 Python/3.8.10
Date: Tue, 31 May 2022 23:45:38 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 10
Connection: close

Response file saved.
> 2022-06-01T024538-7.200.html

Response code: 200 (OK); Time: 62ms; Content length: 10 bytes
HTTP/1.1 200 OK
Server: Werkzeug/2.1.2 Python/3.8.10
Date: Tue, 31 May 2022 23:45:38 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 10
Connection: close

Response file saved.
> 2022-06-01T024538-8.200.html

Response code: 200 (OK); Time: 76ms; Content length: 10 bytes
HTTP/1.1 200 OK
Server: Werkzeug/2.1.2 Python/3.8.10
Date: Tue, 31 May 2022 23:45:39 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 10
Connection: close

Response file saved.
```