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Kelas : QE

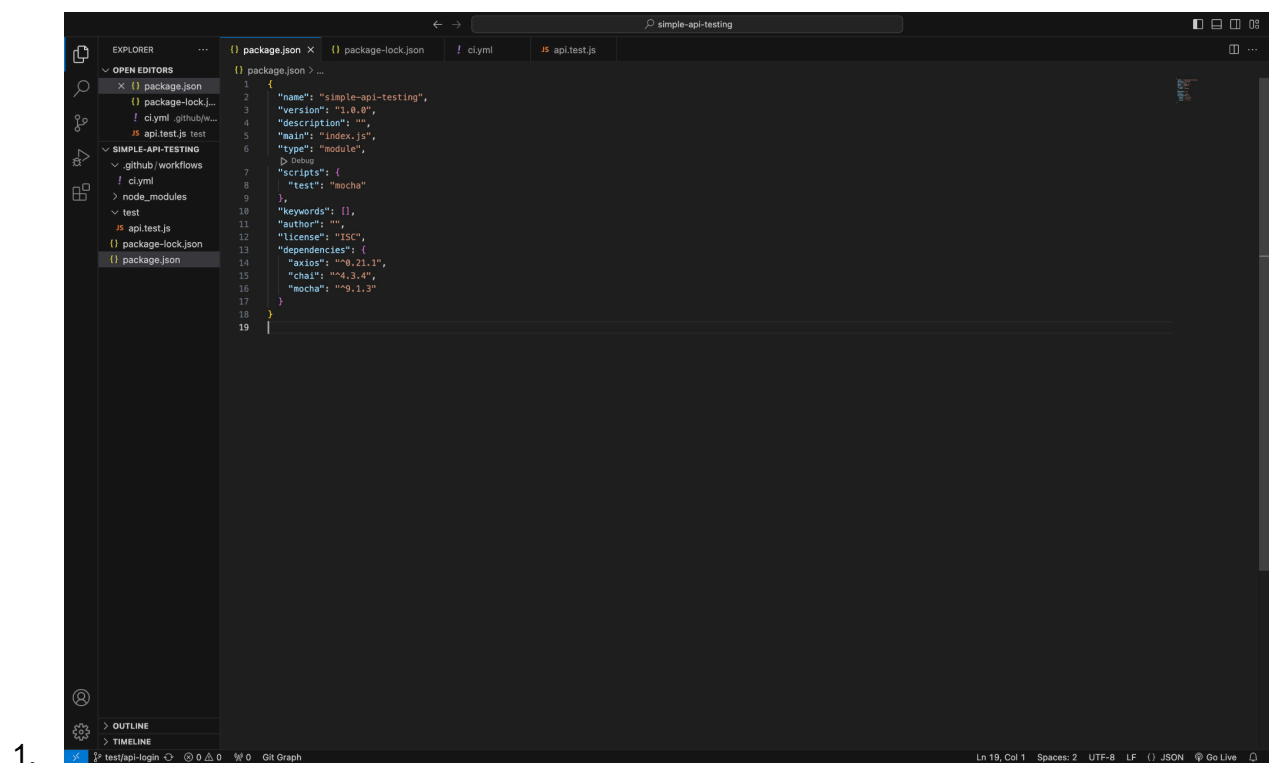
Soal Minggu ke - 8 (22 April 2024)

Soal Essay

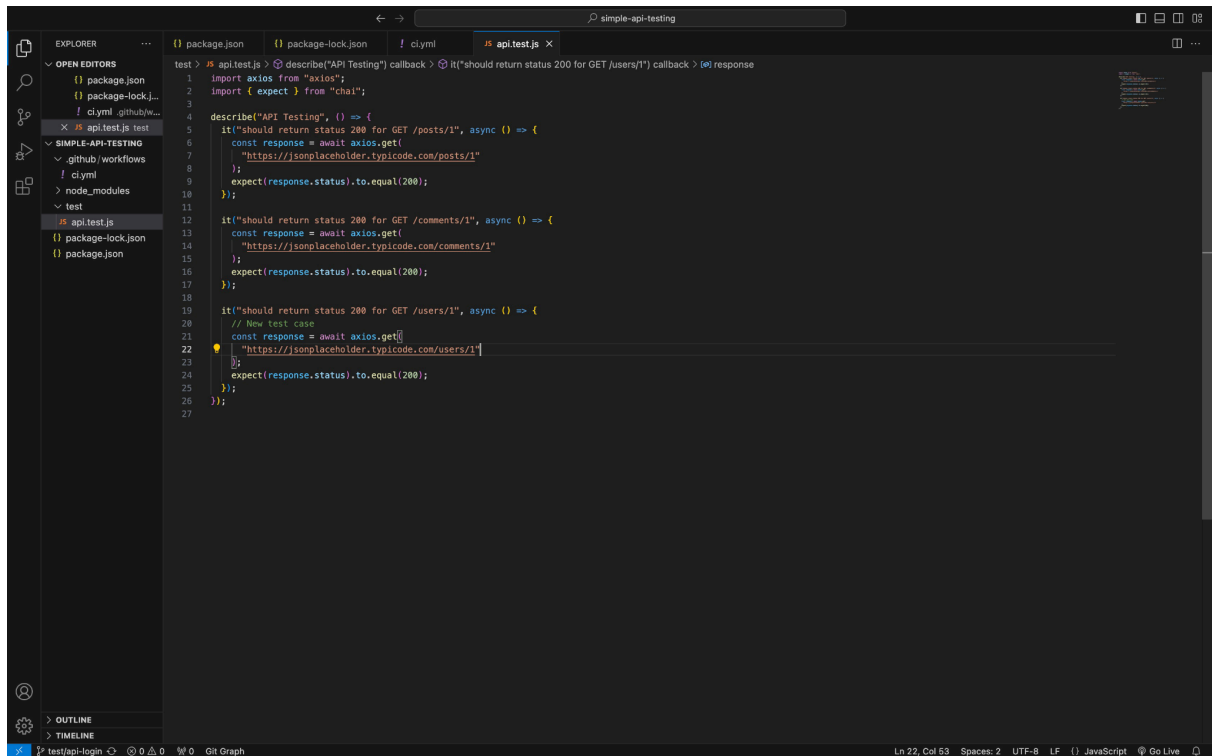
Soal

1. Create Simple API Testing Automation and workflow for GitHub Actions.
2. Create New Repository on GitHub.
3. Push to Repository.
4. Check the Results of CI from GitHub Actions.
5. Create New branch (example: test/api-login).
6. Create 1 Test Case for API Testing on New Branch.
7. Push to New Branch.
8. Create Merge Request (Check whether CI is running or not).
9. Merge to master (Check whether CI is running or not).

Jawab

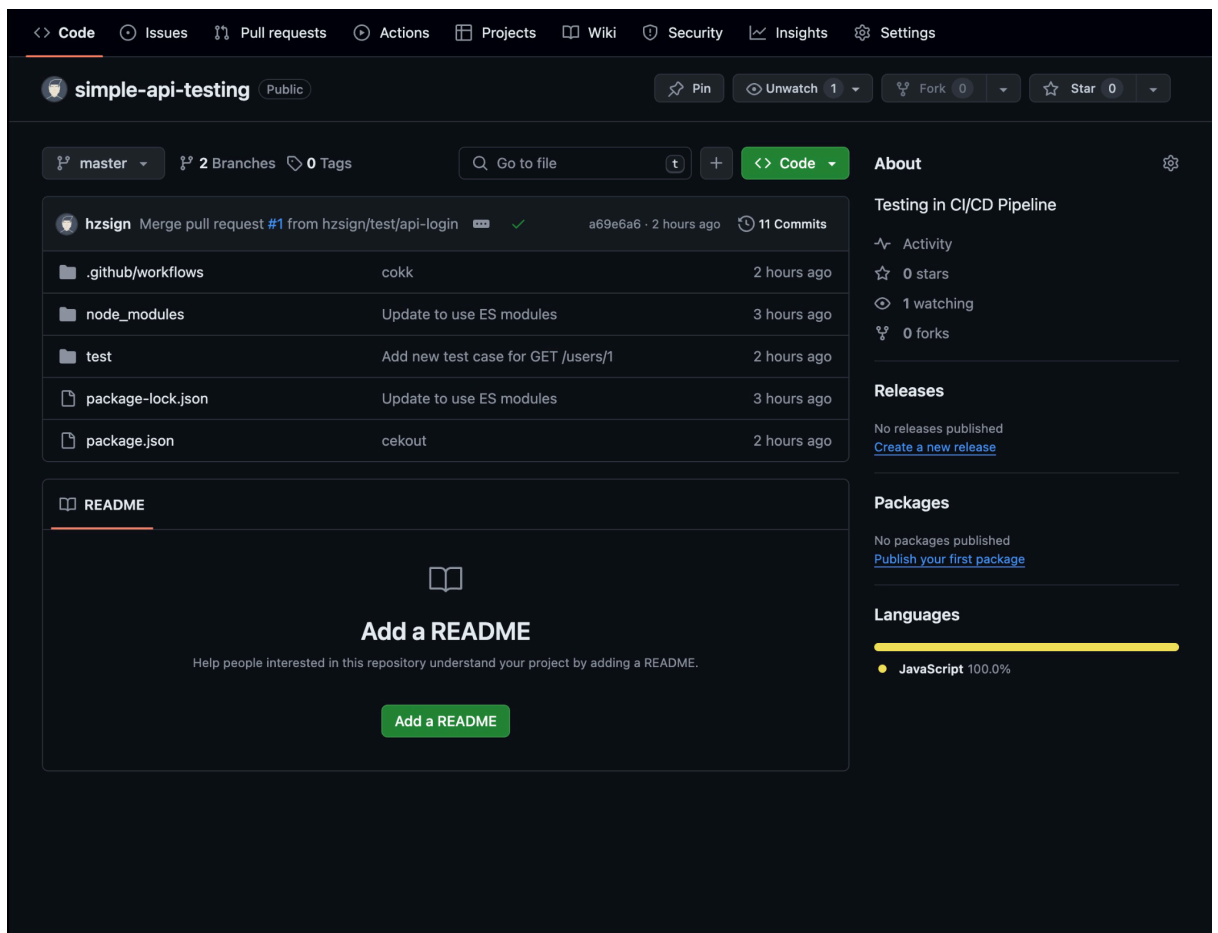


4.



```
test > . api.test.js > describe("API Testing") callback > it("should return status 200 for GET /users/1") callback > {0} response
1 import axios from "axios";
2 import { expect } from "chai";
3
4 describe("API Testing", () => {
5   it("should return status 200 for GET /posts/1", async () => {
6     const response = await axios.get(
7       "https://jsonplaceholder.typicode.com/posts/1"
8     );
9     expect(response.status).to.equal(200);
10   });
11
12   it("should return status 200 for GET /comments/1", async () => {
13     const response = await axios.get(
14       "https://jsonplaceholder.typicode.com/comments/1"
15     );
16     expect(response.status).to.equal(200);
17   });
18
19   it("should return status 200 for GET /users/1", async () => {
20     // New test case
21     const response = await axios.get(
22       "https://jsonplaceholder.typicode.com/users/1"
23     );
24     expect(response.status).to.equal(200);
25   });
26 });
27
```

5.



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master 2 Branches 0 Tags Go to file + <> Code

hzsign Merge pull request #1 from hzsign/test/api-login a69e6a6 · 2 hours ago 11 Commits

File	Commit	Time
.github/workflows	cokk	2 hours ago
node_modules	Update to use ES modules	3 hours ago
test	Add new test case for GET /users/1	2 hours ago
package-lock.json	Update to use ES modules	3 hours ago
package.json	cekout	2 hours ago

README

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Testing in CI/CD Pipeline

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JavaScript 100.0%

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Event Status Branch Actor

✓ Merge pull request #1 from hzsign/test/api-lo...
CI #7: Commit a69e6a8 pushed by hzsign
master
2 hours ago
21s
...

✓ Add new test case for GET /users/1
CI #6: Pull request #1 opened by hzsign
test/api-login
2 hours ago
23s
...

6.

<> Code

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< CI

✓ Add new test case for GET /users/1 #6

Re-run all jobs

...

Summary

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Run details

Usage

Workflow file

Triggered via pull request 2 hours ago

Status

Total duration

Artifacts

hzsign opened #1 test/api-login

Success

23s

-

ci.yml

on: pull_request

✓ test

14s

↺

-

+

7. <https://github.com/hzsign/simple-api-testing/actions/runs/9626833326/job/26553243854>

<> Code

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← CI

✓ Merge pull request #1 from hzsign/test/api-login #7

Re-run all jobs

...

Summary

Jobs

test

Run details

Usage

Workflow file

Triggered via push 2 hours ago

hzsign pushed · a69e6a6 master

Status

Success

Total duration

21s

Artifacts

—

ci.yml

on: push

✓ test

12s

⌵

—

+

8.

<> Code

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← CI

✓ Add new test case for GET /users/1 #6

Re-run all jobs

...

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Usage

Workflow file

test

succeeded 2 hours ago in 14s

Search logs

Refresh

Settings

> ✓ Set up job2s

> ✓ Run actions/checkout@v41s

> ✓ Set up Node.js4s

> ✓ Install dependencies3s

> ✓ Run tests0s

> ✓ Post Set up Node.js0s

> ✓ Post Run actions/checkout@v40s

> ✓ Complete job0s

1 ▶ Run npm test

4

5 > simple-api-testing@1.0.0 test /home/runner/work/simple-api-testing/simple-api-testing

6 > mocha

7

8

9

10 API Testing

11 ✓ should return status 200 for GET /posts/1 (40ms)

12 ✓ should return status 200 for GET /comments/1 (251ms)

13 ✓ should return status 200 for GET /users/1

14

15

16 3 passing (313ms)

17

9.

<> Code

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← CI

✓ Merge pull request #1 from hzsign/test/api-login #7

Re-run all jobs

...

Summary

Jobs

Run details

Usage

Workflow file

test

succeeded 2 hours ago in 12s

Search logs

↺

⚙

> ✓ Set up job1s

> ✓ Run actions/checkout@v41s

> ✓ Set up Node.js4s

> ✓ Install dependencies4s

> ✓ Run tests1s

> ✓ Post Set up Node.js0s

> ✓ Post Run actions/checkout@v40s

> ✓ Complete job0s

1▶ Run npm test

4

5> simple-api-testing@1.0.0 test /home/runner/work/simple-api-testing/simple-api-testing

6> mocha

7

8

9

10API Testing

11✓ should return status 200 for GET /posts/1 (65ms)

12✓ should return status 200 for GET /comments/1 (146ms)

13✓ should return status 200 for GET /users/1

14

15

163 passing (245ms)

17

10.