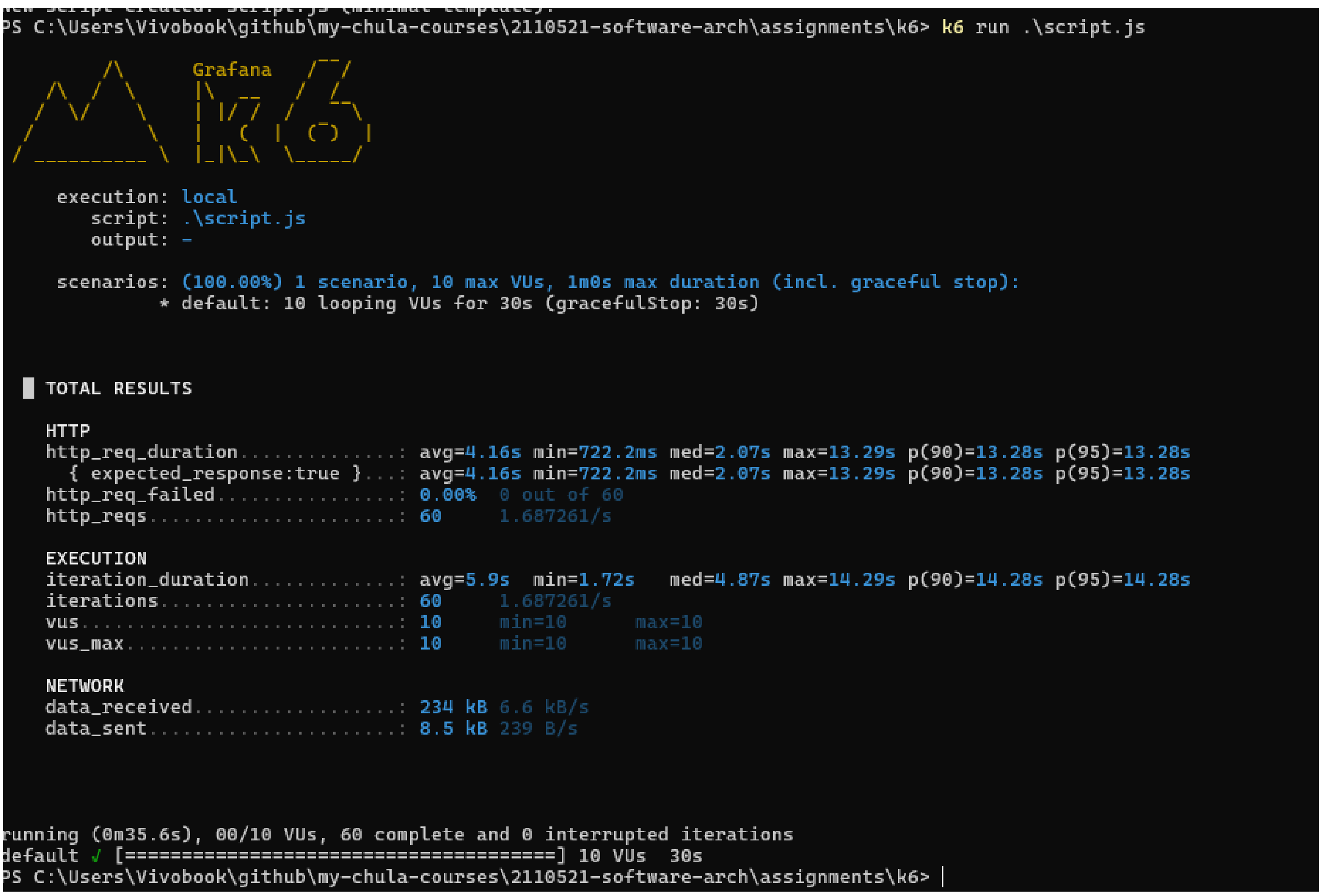
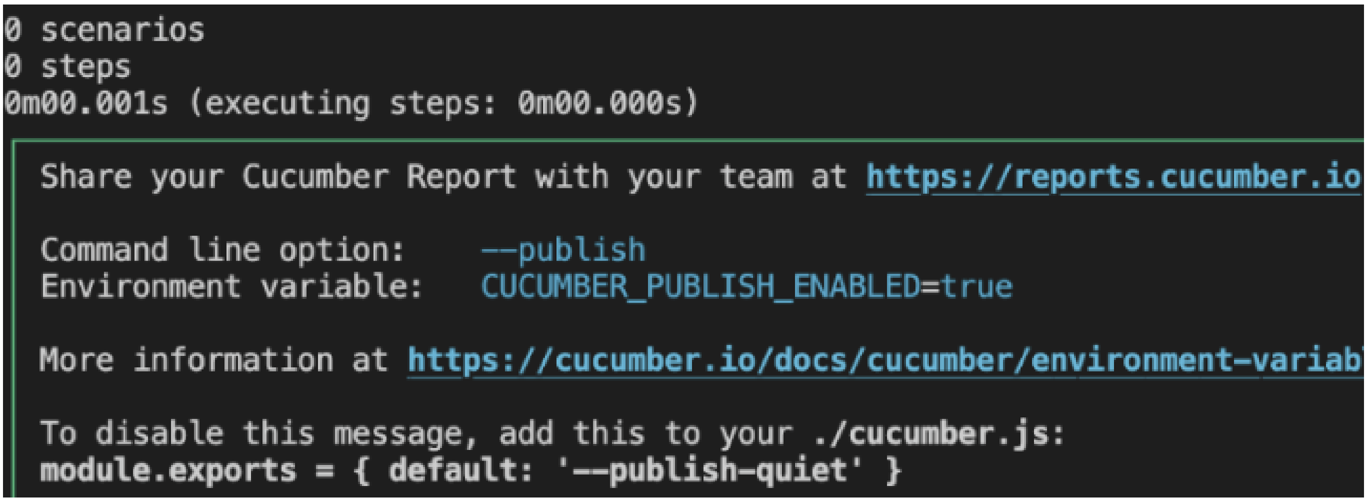
K6

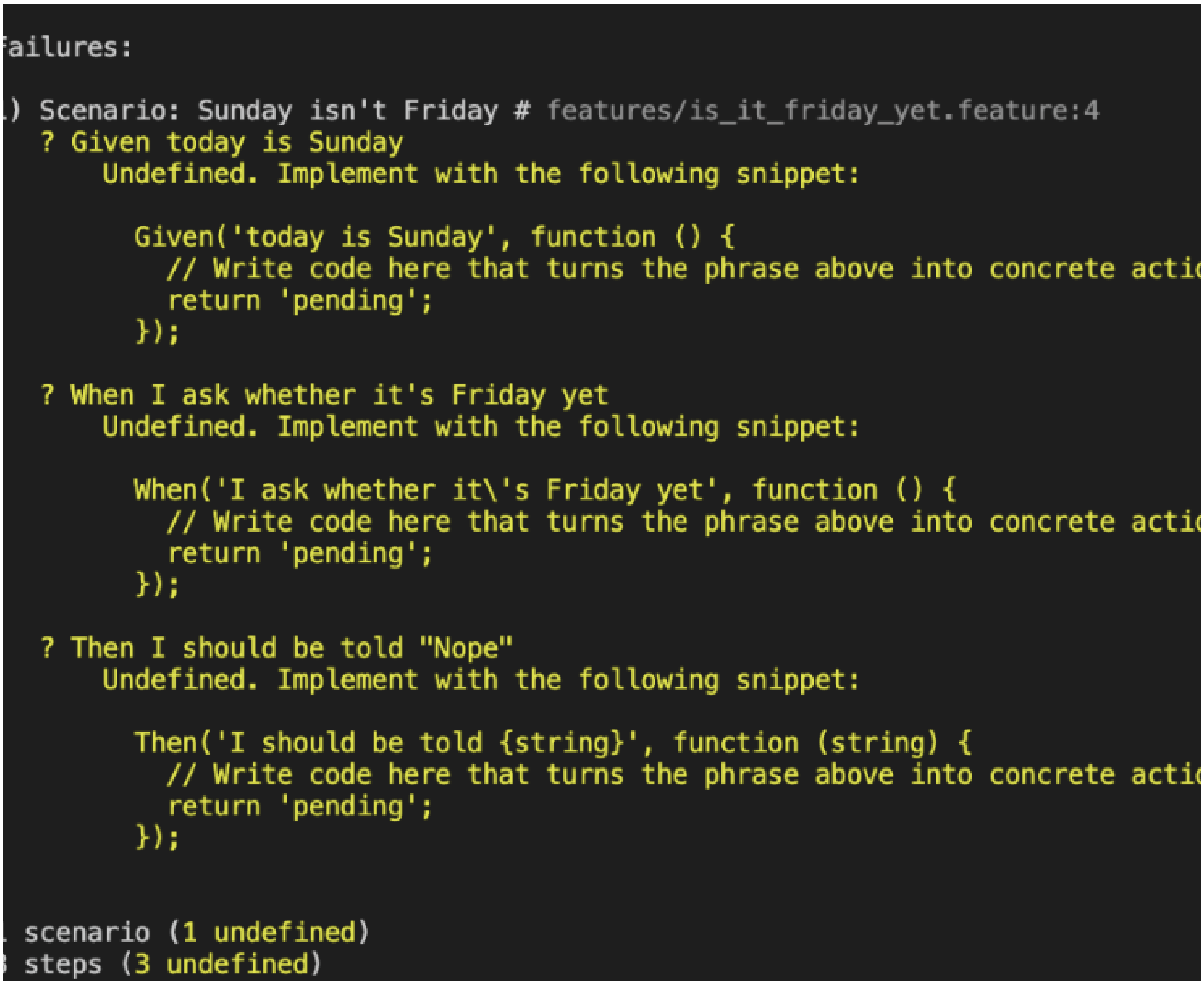


```
New script created: script.js (minimal template).
PS C:\Users\Vivobook\github\my-chula-courses\2110521-software-arch\assignments\k6> k6 run .\script.js

         /\      Grafana   /‾‾/
    /\  /  \     |\  __   /  /
   /  \/    \    | |/ /  /   ‾‾\
  /          \   |   (  |  (‾)  |
 / __________ \  |_|\_\  \_____/

     execution: local
        script: .\script.js
        output: -

     scenarios: (100.00%) 1 scenario, 10 max VUs, 1m0s max duration (incl. graceful stop):
              * default: 10 looping VUs for 30s (gracefulStop: 30s)


  █ TOTAL RESULTS

    HTTP
    http_req_duration..............: avg=4.16s min=722.2ms med=2.07s max=13.29s p(90)=13.28s p(95)=13.28s
      { expected_response:true }...: avg=4.16s min=722.2ms med=2.07s max=13.29s p(90)=13.28s p(95)=13.28s
    http_req_failed................: 0.00%  0 out of 60
    http_reqs......................: 60     1.687261/s

    EXECUTION
    iteration_duration.............: avg=5.9s   min=1.72s   med=4.87s max=14.29s p(90)=14.28s p(95)=14.28s
    iterations.....................: 60     1.687261/s
    vus............................: 10     min=10      max=10
    vus_max........................: 10     min=10      max=10

    NETWORK
    data_received..................: 234 kB 6.6 kB/s
    data_sent......................: 8.5 kB 239 B/s



running (0m35.6s), 00/10 VUs, 60 complete and 0 interrupted iterations
default ✓ [======================================] 10 VUs  30s
PS C:\Users\Vivobook\github\my-chula-courses\2110521-software-arch\assignments\k6>
```

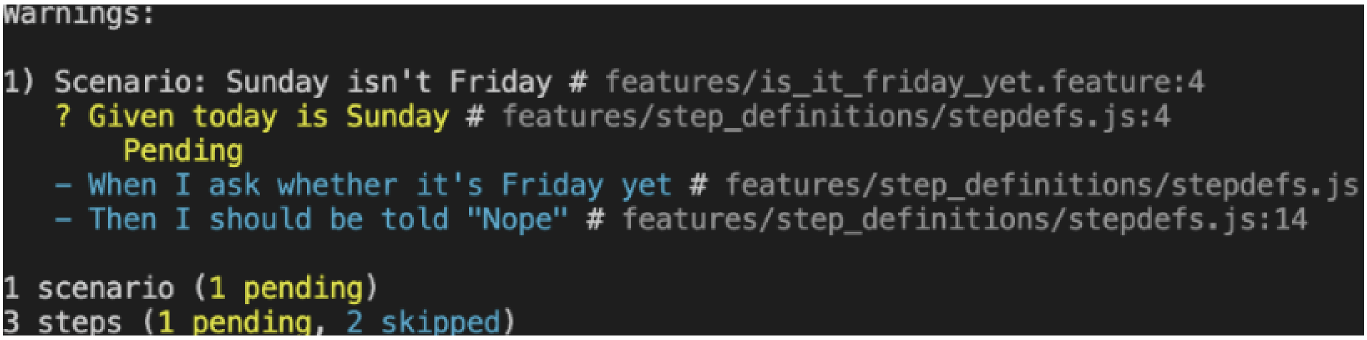
Cucumber



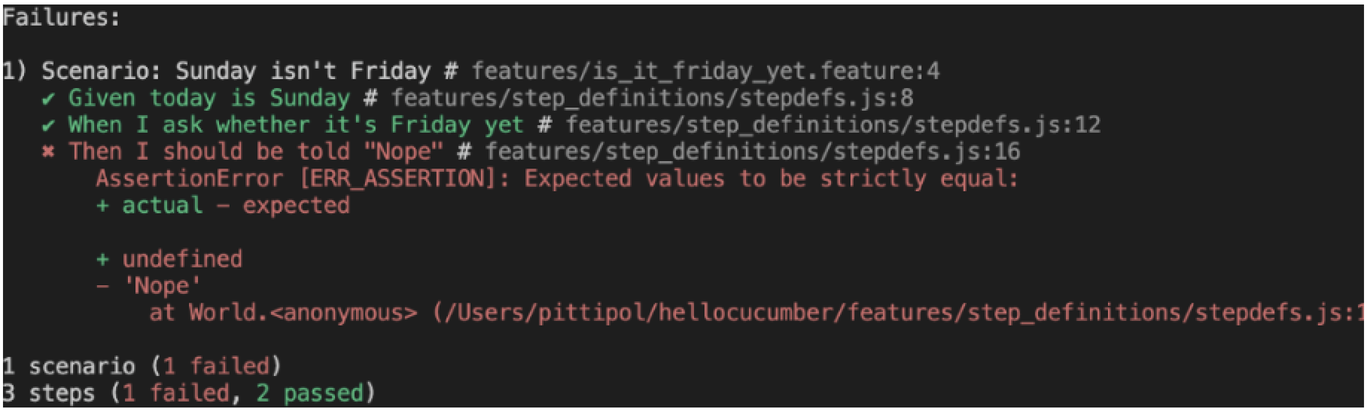
```
0 scenarios
0 steps
0m00.001s (executing steps: 0m00.000s)
┌──────────────────────────────────────────────────────────────────────────
│ Share your Cucumber Report with your team at https://reports.cucumber.io
│
│ Command line option:    --publish
│ Environment variable:   CUCUMBER_PUBLISH_ENABLED=true
│
│ More information at https://cucumber.io/docs/cucumber/environment-variab
│
│ To disable this message, add this to your ./cucumber.js:
│ module.exports = { default: '--publish-quiet' }
```



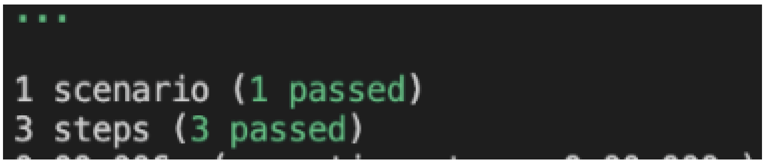
```
ailures:

1) Scenario: Sunday isn't Friday # features/is_it_friday_yet.feature:4
   ? Given today is Sunday
       Undefined. Implement with the following snippet:

         Given('today is Sunday', function () {
           // Write code here that turns the phrase above into concrete actic
           return 'pending';
         });

   ? When I ask whether it's Friday yet
       Undefined. Implement with the following snippet:

         When('I ask whether it\'s Friday yet', function () {
           // Write code here that turns the phrase above into concrete actic
           return 'pending';
         });

   ? Then I should be told "Nope"
       Undefined. Implement with the following snippet:

         Then('I should be told {string}', function (string) {
           // Write code here that turns the phrase above into concrete actic
           return 'pending';
         });


1 scenario (1 undefined)
3 steps (3 undefined)
```



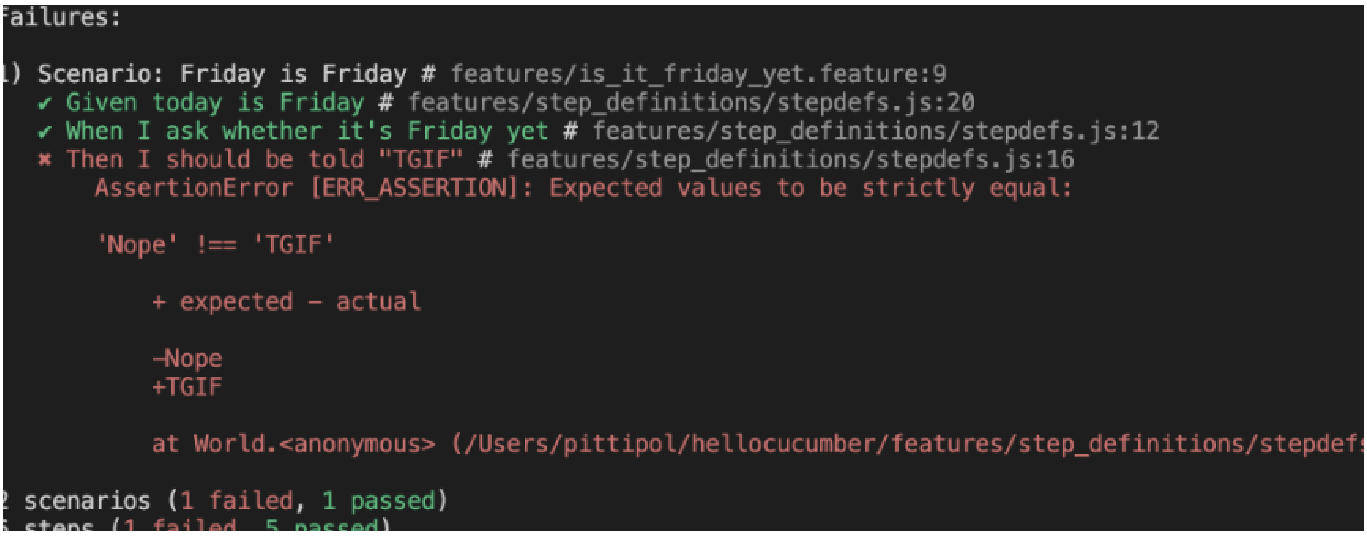
```
Warnings:

1) Scenario: Sunday isn't Friday # features/is_it_friday_yet.feature:4
   ? Given today is Sunday # features/step_definitions/stepdefs.js:4
       Pending
   - When I ask whether it's Friday yet # features/step_definitions/stepdefs.js
   - Then I should be told "Nope" # features/step_definitions/stepdefs.js:14

1 scenario (1 pending)
3 steps (1 pending, 2 skipped)
```



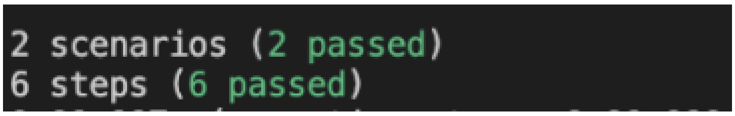
```
Failures:

1) Scenario: Sunday isn't Friday # features/is_it_friday_yet.feature:4
   ✔ Given today is Sunday # features/step_definitions/stepdefs.js:8
   ✔ When I ask whether it's Friday yet # features/step_definitions/stepdefs.js:12
   ✖ Then I should be told "Nope" # features/step_definitions/stepdefs.js:16
       AssertionError [ERR_ASSERTION]: Expected values to be strictly equal:
       + actual - expected

       + undefined
       - 'Nope'
           at World.<anonymous> (/Users/pittipol/hellocucumber/features/step_definitions/stepdefs.js:1

1 scenario (1 failed)
3 steps (1 failed, 2 passed)
```



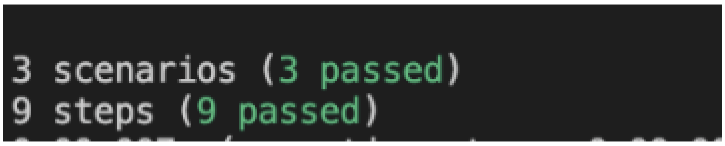
```
...

1 scenario (1 passed)
3 steps (3 passed)
```



```
Failures:

1) Scenario: Friday is Friday # features/is_it_friday_yet.feature:9
   ✔ Given today is Friday # features/step_definitions/stepdefs.js:20
   ✔ When I ask whether it's Friday yet # features/step_definitions/stepdefs.js:12
   ✖ Then I should be told "TGIF" # features/step_definitions/stepdefs.js:16
       AssertionError [ERR_ASSERTION]: Expected values to be strictly equal:

       'Nope' !== 'TGIF'

           + expected - actual

           -Nope
           +TGIF

           at World.<anonymous> (/Users/pittipol/hellocucumber/features/step_definitions/stepdefs

2 scenarios (1 failed, 1 passed)
6 steps (1 failed, 5 passed)
```



```
2 scenarios (2 passed)
6 steps (6 passed)
```



```
3 scenarios (3 passed)
9 steps (9 passed)
```

เราสามารถใช้ Gherkin เพื่อเขียนสถานการณ์การใช้งานของระบบเป็นภาษาที่เข้าใจง่าย เช่น “เมื่อผู้ใช้ค้นหาศาลเจ้า ระบบจะแสดงรายละเอียดของศาลเจ้านั้น” จากนั้นใช้ Cucumber มาช่วยทดสอบอัตโนมัติตามสถานการณ์ที่เขียนไว้ เพื่อเช็กว่าระบบทำงานถูกต้องตามที่ต้องการหรือไม่