

## คู่มือการใช้ GitHub Classroom

1. คลิกลิงก์ที่ผู้สอนให้และเลือกรายชื่อของตนเอง ถ้าไม่มีรายชื่อให้ติดต่อผู้สอน

GitHub Classroom

GitHub Education

Join the classroom:

INT201-demo-1-2566-G2

To join the GitHub Classroom for this course, please select yourself from the list below to associate your GitHub account with your school's identifier (i.e., your name, ID, or email)

Xห้ามคลิก Skip

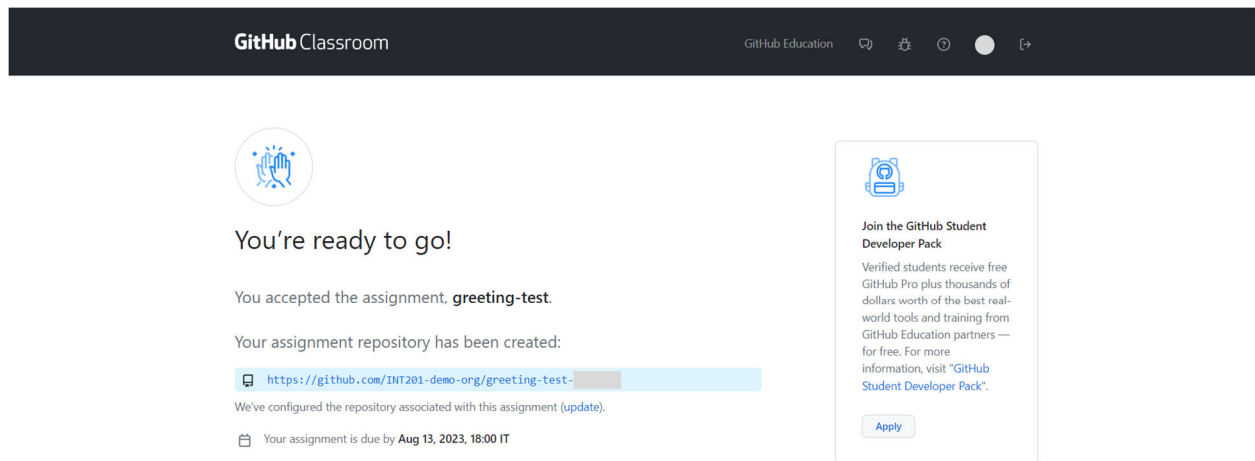
Can't find your name? [Skip to the next step](#) →

ให้เลือกตามรายชื่อด้านล่างเท่านั้น

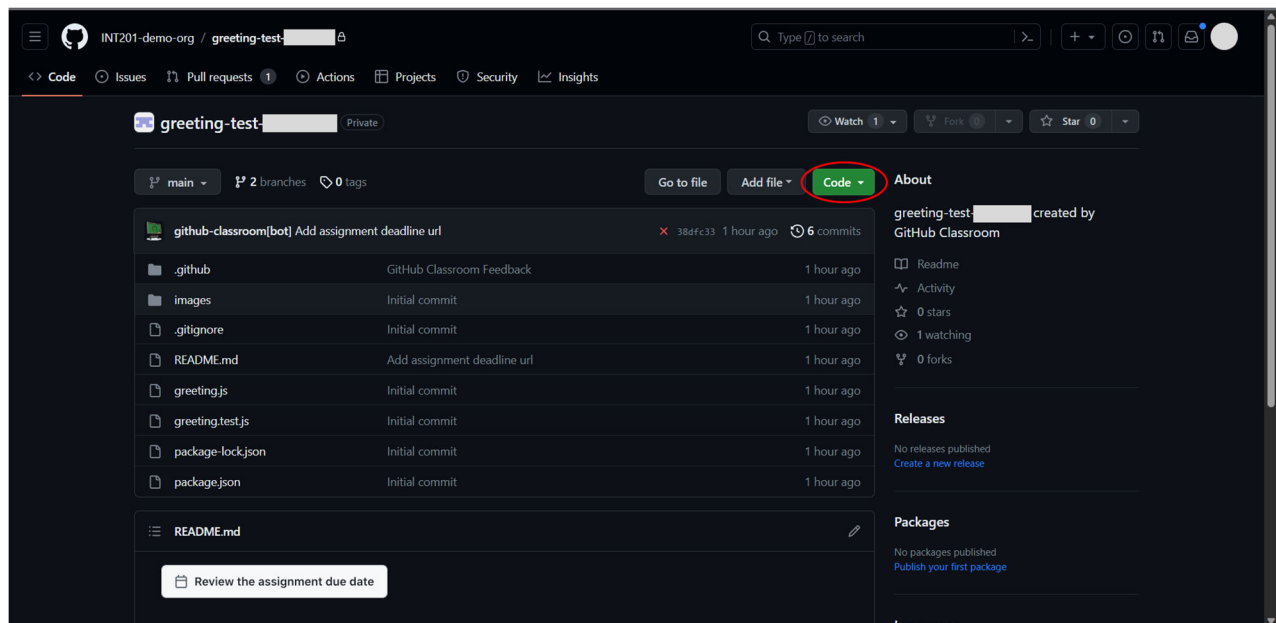
Identifiers

จะปรากฏรายชื่อแต่ละคนที่นี่

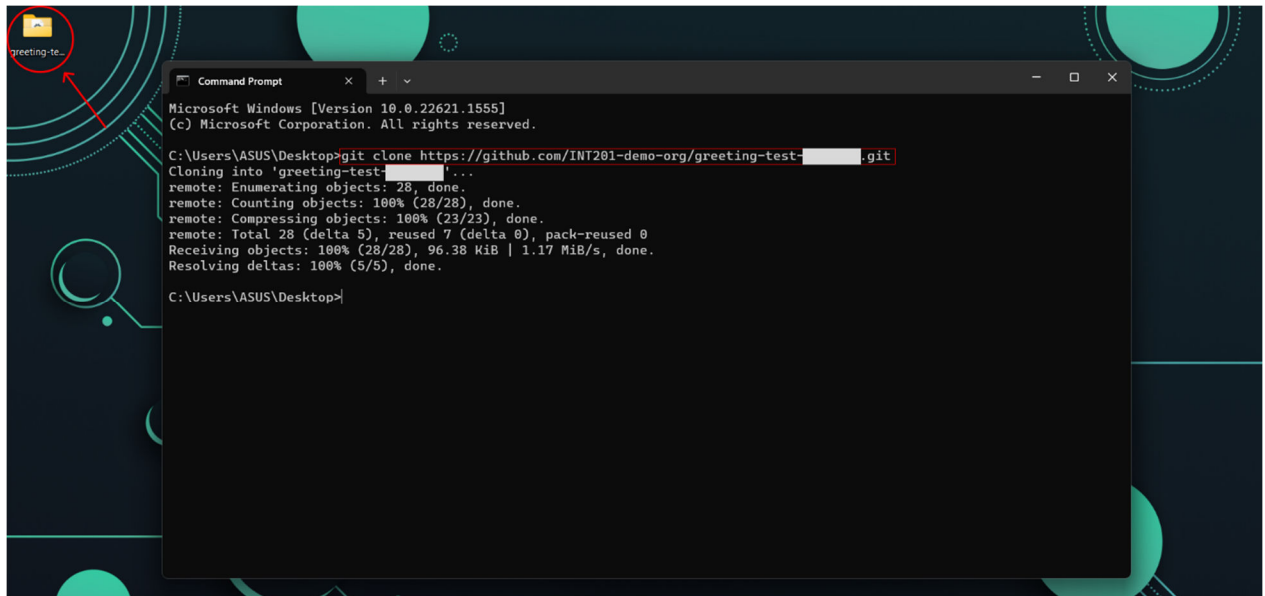
## 2. กด accept assignment บน GitHub classroom



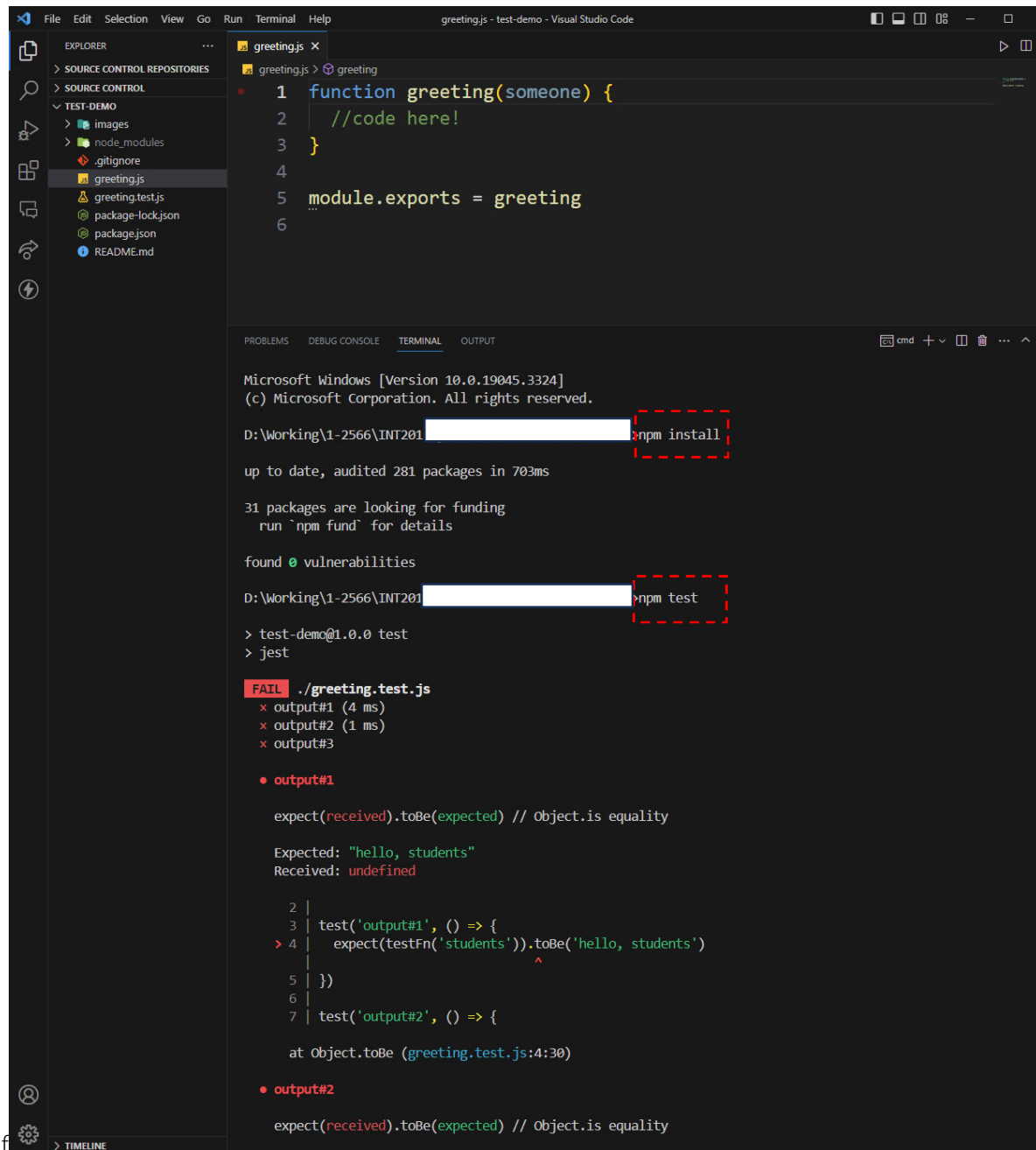
## 3. หลังจากคลิกลิงค์เพื่อเข้าสู่ GitHub repo ที่รับมาจากข้อ 2 ให้คลิกที่ปุ่ม Code เพื่อ copy ลิงค์ของ repo ในการ clone



4. ที่ command prompt ให้ใช้คำสั่ง git clone ตามด้วยลิงค์จากข้อ 3 เพื่อ clone repo มายัง directory ที่ต้องการ



5. เขียน code ตามที่โจทย์ระบุในไฟล์ README.md จากนั้นถ้าต้องการทดสอบว่าโปรแกรมสามารถรัน test ได้ครบถ้วนหรือไม่ ให้ใช้คำสั่ง npm install เพื่อติดตั้ง jest modules และใช้คำสั่ง npm test เพื่อรัน test



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the project structure for 'greeting.js - test-demo', including files like 'images', 'node\_modules', '.gitignore', 'greeting.js', 'greeting.test.js', 'package-lock.json', 'package.json', and 'README.md'. The main editor window shows the content of 'greeting.js' with the following code:

```
1 function greeting(someone) {
2   //code here!
3 }
4
5 module.exports = greeting
6
```

Below the editor, the TERMINAL panel is active, showing the output of two npm commands. The first command is 'npm install', which successfully installed dependencies. The second command is 'npm test', which failed. The failure message indicates that the test 'output#1' failed because the received value was 'undefined' instead of the expected 'hello, students'.

```
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

D:\Working\1-2566\INT201\> npm install

up to date, audited 281 packages in 703ms

31 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

D:\Working\1-2566\INT201\> npm test

> test-demo@1.0.0 test
> jest

FAIL ./greeting.test.js
  ✕ output#1 (4 ms)
  ✕ output#2 (1 ms)
  ✕ output#3

  ● output#1

    expect(received).toBe(expected) // Object.is equality

    Expected: "hello, students"
    Received: undefined

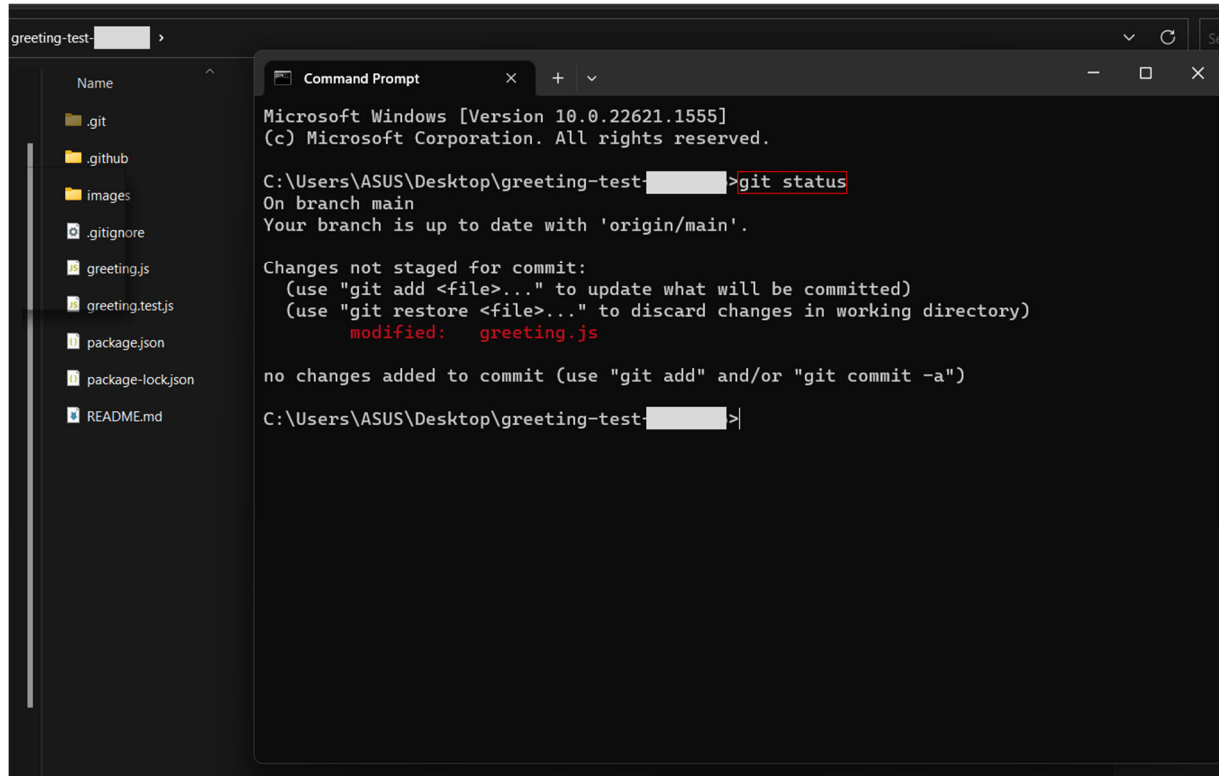
       2 |
       3 |   test('output#1', () => {
     >  4 |     expect(testFn('students')).toBe('hello, students')
         |                                   ^
       5 |   })
       6 |
       7 |   test('output#2', () => {

      at Object.toBe (greeting.test.js:4:30)

  ● output#2

    expect(received).toBe(expected) // Object.is equality
```

6. หลังจากแก้ไข code เรียบร้อย ให้ทำการ add, commit, และ push เพื่อทำการ grading



The screenshot shows a Windows File Explorer window on the left with the file tree for 'greeting-test'. The files listed are .git, .github, images, .gitignore, greeting.js, greeting.test.js, package.json, package-lock.json, and README.md. On the right, a Command Prompt window is open, displaying the output of the 'git status' command. The output indicates that the user is on the 'main' branch and the branch is up to date with 'origin/main'. It also shows that there are changes not staged for commit, specifically 'greeting.js' which has been modified.

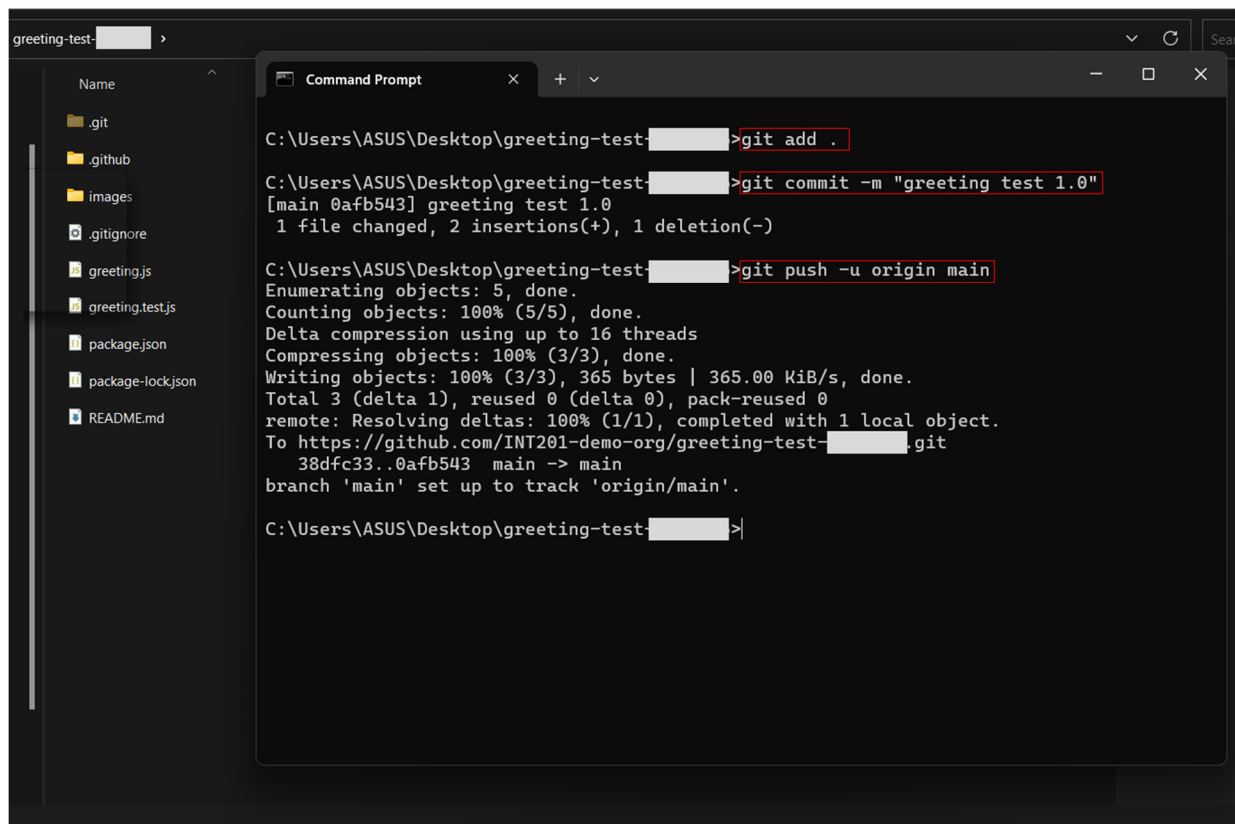
```
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS\Desktop\greeting-test>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   greeting.js

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\ASUS\Desktop\greeting-test>|
```



The screenshot shows the same Windows File Explorer window on the left. The Command Prompt window on the right now displays the output of three git commands: 'git add .', 'git commit -m "greeting test 1.0"', and 'git push -u origin main'. The 'git add .' command staged all files. The 'git commit' command created a new commit on the 'main' branch. The 'git push' command pushed the commit to the 'main' branch of the remote repository 'origin'. The output shows the progress of the push, including object enumeration, counting, compression, and writing.

```
C:\Users\ASUS\Desktop\greeting-test>git add .

C:\Users\ASUS\Desktop\greeting-test>git commit -m "greeting test 1.0"
[main 0afb543] greeting test 1.0
 1 file changed, 2 insertions(+), 1 deletion(-)

C:\Users\ASUS\Desktop\greeting-test>git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 365 bytes | 365.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/INT201-demo-org/greeting-test-... .git
   38dfc33..0afb543  main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\ASUS\Desktop\greeting-test>|
```

7. คลิกที่ Action Tab จะเห็นลำดับการ commit code ของตนเอง ให้คลิกเลือกรายการของตนเอง จากนั้นระบบจะทำการ AutoGrading และสรุปผลจำนวน Test ที่ผ่าน/ไม่ผ่าน

The image displays two screenshots of the GitHub Actions interface for a repository named 'INT201-demo-org / greeting-test'. The top screenshot shows the 'All workflows' page with a list of 6 workflow runs. The first run, 'greeting test 1.0', is highlighted with a red dashed box. The bottom screenshot shows the same page, but the 'greeting test 1.0' run is now circled in red, indicating it is the selected workflow.

**Workflow Runs Table (Top Screenshot):**

Workflow Name	Commit	Branch	Status	Time
greeting test 1.0	Commit 0a1b543 pushed by 6MA-606	main	Success	1 minute ago
Add assignment deadline url	Commit 38dfc33 pushed by github-classroom bot	main	Failure	1 hour ago
GitHub Classroom Feedback	Commit 4cc38a5 pushed by github-classroom bot	feedback	Failure	1 hour ago
Setting up GitHub Classroom Feedback	Commit 6fa9bf3 pushed by github-classroom bot	main	Failure	1 hour ago
GitHub Classroom Feedback	Commit 4cc38a5 pushed by github-classroom bot	main	Failure	1 hour ago

**Workflow Runs Table (Bottom Screenshot):**

Workflow Name	Commit	Branch	Status	Time
greeting test 1.0	Commit 0a1b543 pushed by [redacted]	main	Success	27 minutes ago
Add assignment deadline url	Commit 38dfc33 pushed by github-classroom bot	main	Failure	1 hour ago
GitHub Classroom Feedback	Commit 4cc38a5 pushed by github-classroom bot	feedback	Failure	1 hour ago
Setting up GitHub Classroom Feedback	Commit 6fa9bf3 pushed by github-classroom bot	main	Failure	1 hour ago
GitHub Classroom Feedback	Commit 4cc38a5 pushed by github-classroom bot	main	Failure	1 hour ago
GitHub Classroom Autograding Workflow	Commit 009627b pushed by github-classroom bot	main	Failure	1 hour ago

INT201-demo-org / greeting-test

Type / to search

>

+ -

🔄

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📧

👤

< Code

Issues

Pull requests

Actions

Projects

Security

Insights

← GitHub Classroom Workflow

greeting test 1.0 #6

Re-run all jobs

Summary

Jobs

Autograding

Run details

Usage

Workflow file

Triggered via push 7 hours ago

● pushed · 0afb543 main

Status

Success

Total duration

17s

Billable time

1m

Artifacts

—

classroom.yml

on: push

Autograding 8s

Annotations

1 warning and 1 notice

Autograding complete

Points 10/10

Autograding

greeting test 1.0 - INT201-demo

+

https://github.com/INT201-demo-org/greeting-test/actions/runs/5817863560/job/15773204182

🔍

🔍 Search logs

🔄

⚙️

Summary

Jobs

Autograding

Run details

Usage

Workflow file

Autograding

succeeded 7 hours ago in 8s

Run education/autograding@v1 6s

23

24 > test-demo@1.0.0 test

25 > jest

26

27 PASS ./greeting.test.js

28 ✓ output#1 (3 ms)

29 ✓ output#2 (1 ms)

30 ✓ output#3

31

32 Test Suites: 1 passed, 1 total

33 Tests: 3 passed, 3 total

34 Snapshots: 0 total

35 Time: 0.417 s

36 Ran all test suites.

37

38 greetingTest

39

40

41 ::\*\*\*\*\*

42

43 All tests passed

44

45 🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟🌟

46

47 Points 10/10

48

> Post Run actions/checkout@v2 0s

> Complete job 0s