

Assignment 2 + Lab 4

For Assignment 2+Lab 4 guidelines I need screenshots for the below-mentioned points:

Instructions:

1. Submit the lab 4 and assignment 2 in different dropbox.
2. The deadline for lab 4 is 28th September 2023, 10 am
3. The deadline for Assignment 2 is 3rd October, 2023, 11:59pm
4. Only pdf
5. Individual assessment

Install PyCharm:

<https://www.youtube.com/watch?v=WJynvGY-2wk>

Lab -4

1. Create integration folder in github

Ruchika-1806 / Ruchika_112233

Type to search

Code Issues Pull requests Actions Projects Security Insights Settings

Ruchika_112233 Private Unwatch 1

main 1 branch 0 tags Go to file Add file ▾ <> Code ▾

Ruchika and Ruchika files added 073f2f8 8 minutes ago 3 commits

integration files added 8 minutes ago

README.md Initial commit 18 minutes ago

README.md

Ruchika_112233

2. Put .py files in integration folder using git commands below from any IDE(using PyCharm) push the code/files to github

a. git clone https://github.com/Ruchika-1806/Ruchika_123456.git

The screenshot shows a GitHub repository page for 'Ruchika-1806 / Ruchika_123456'. The 'Code' tab is selected. On the right, there is a 'Clone' section with three options: 'HTTPS' (selected), 'SSH', and 'GitHub CLI'. The 'HTTPS' URL is highlighted with a blue box: `https://github.com/Ruchika-1806/Ruchika_123456`. Below the URL, it says 'Use Git or checkout with SVN using the web URL.' To the right of the clone section is an 'About' box which states 'No description, website, or topics provided.' It also shows basic repository statistics: Readme, Activity, 0 stars, 1 watching, and 0 forks.

b. git add ./

The screenshot shows a PyCharm IDE interface. The left sidebar displays the project structure under 'Lab 4 and Ass 2'. The 'integration' directory contains files like 'calculator.py', 'integration_test.py', 'main.py', and 'README.md'. The main code editor shows a Python script with test cases for a calculator. The bottom terminal window shows the command `git add .` being run in a virtual environment named '(venv)'.

```
(venv) ruchika@MacBook-Pro Lab 4 and Ass 2 % cd Ruchika_112233
(venv) ruchika@MacBook-Pro Ruchika_112233 % git add ./
```

c. git commit -m "Write your message"

Lab 4 and Ass 2 > Ruchika_112233 > integration > integration_test.py

```
Project: Lab 4 and Ass 2 ~/PycharmProjects/Lab 4 and Ass 2
  Ruchika_112233
    .pytest_cache
    integration
      .pytest_cache
        calculator.py
        integration_test.py
        README.md
        README.md
    venv
    main.py
External Libraries
Scratches and Consoles
```

```
main.py integration_test.py calculator.py
12 # def test_addition():
13 #     assert calculator.add(2, 3) == 5
14 #
15 # def test_subtraction():
16 #     assert calculator.subtract(5, 3) == 5
17 #
18 # def test_multiplication():
19 #     assert calculator.multiply(2, 3) == 6
20 #
21 # def test_division():
22 #     assert calculator.divide(6, 3) == 2
23 #
24 # def test_divide_by_zero():
25 #     try:
26 #         calculator.divide(6, 0)
27 #     except ValueError as e:
28 #         assert str(e) == "Cannot divide by zero"
29 #     else:
30 #         assert False, "Expected ValueError"
```

Terminal: Local

```
(venv) (base) ruchika@MacBook-Pro Ruchika_112233 % git add .
(venv) (base) ruchika@MacBook-Pro Ruchika_112233 % git commit -m "files added"
[main 073f2f8] files added
Committer: Ruchika <ruchika@MacBook-Pro.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

Git TODO Problems Terminal Python Packages Python Console Services 22:42 LF UTF-8 4 spaces Python 3.9 (Lab 4 and Ass 2) main

d. git push

Lab 4 and Ass 2 > Ruchika_112233 > integration > integration_test.py

```
Project: Lab 4 and Ass 2 ~/PycharmProjects/Lab 4 and Ass 2
  Ruchika_112233
    .pytest_cache
    integration
      .pytest_cache
        calculator.py
        integration_test.py
        README.md
        README.md
    venv
    main.py
External Libraries
Scratches and Consoles
```

```
main.py integration_test.py calculator.py
20 #
21 # def test_division():
22 #     assert calculator.divide(6, 3) == 2
23 #
24 # def test_divide_by_zero():
25 #     try:
26 #         calculator.divide(6, 0)
27 #     except ValueError as e:
28 #         assert str(e) == "Cannot divide by zero"
29 #     else:
30 #         assert False, "Expected ValueError"
```

Terminal: Local

```
nothing to commit, working tree clean
(venv) (base) ruchika@MacBook-Pro Ruchika_112233 % git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 845 bytes | 845.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Ruchika-1806/Ruchika_112233.git
  80ae731..073f2f8  main -> main
```

Git TODO Problems Terminal Python Packages Python Console Services 24:29 LF UTF-8 4 spaces Python 3.9 (Lab 4 and Ass 2) main

Assignment 2

3. Write commands to run the file:

- pytest integration_test.py

```
Terminal: Local + ▾
(venv) (base) ruchika@MacBook-Pro Pytest-Rest-API % pytest integration_test.py
=====
platform darwin -- Python 3.8.2, pytest-7.2.2, pluggy-1.0.0
rootdir: /Users/ruchika/PycharmProjects/Pytest-Rest-API
plugins: anyio-3.6.2
collected 5 items

integration_test.py .... [100%]

=====
5 passed in 0.12s =====
```

- python -m pytest -v

```
(venv) (base) ruchika@MacBook-Pro Pytest-Rest-API % python -m pytest -v
=====
platform darwin -- Python 3.8.2, pytest-7.2.2, pluggy-1.0.0 -- /Users/ruchika/PycharmProjects/Pytest-Rest-API/venv/bin/python
cachedir: .pytest_cache
rootdir: /Users/ruchika/PycharmProjects/Pytest-Rest-API
plugins: anyio-3.6.2
collected 5 items

integration_test.py::test_addition PASSED [ 20%]
integration_test.py::test_subtraction PASSED [ 40%]
integration_test.py::test_multiplication PASSED [ 60%]
integration_test.py::test_division PASSED [ 80%]
integration_test.py::test_divide_by_zero PASSED [100%]

=====
5 passed in 0.10s =====
```

4. Final screenshots to be submitted:

Lab 4

- Screenshots of step 2 commands ran successfully
 - Screenshot of files successfully added in the folder in github
-

Assignment 2

- Screenshots of step 3 commands ran successfully
- Link of the repo (make it public)

