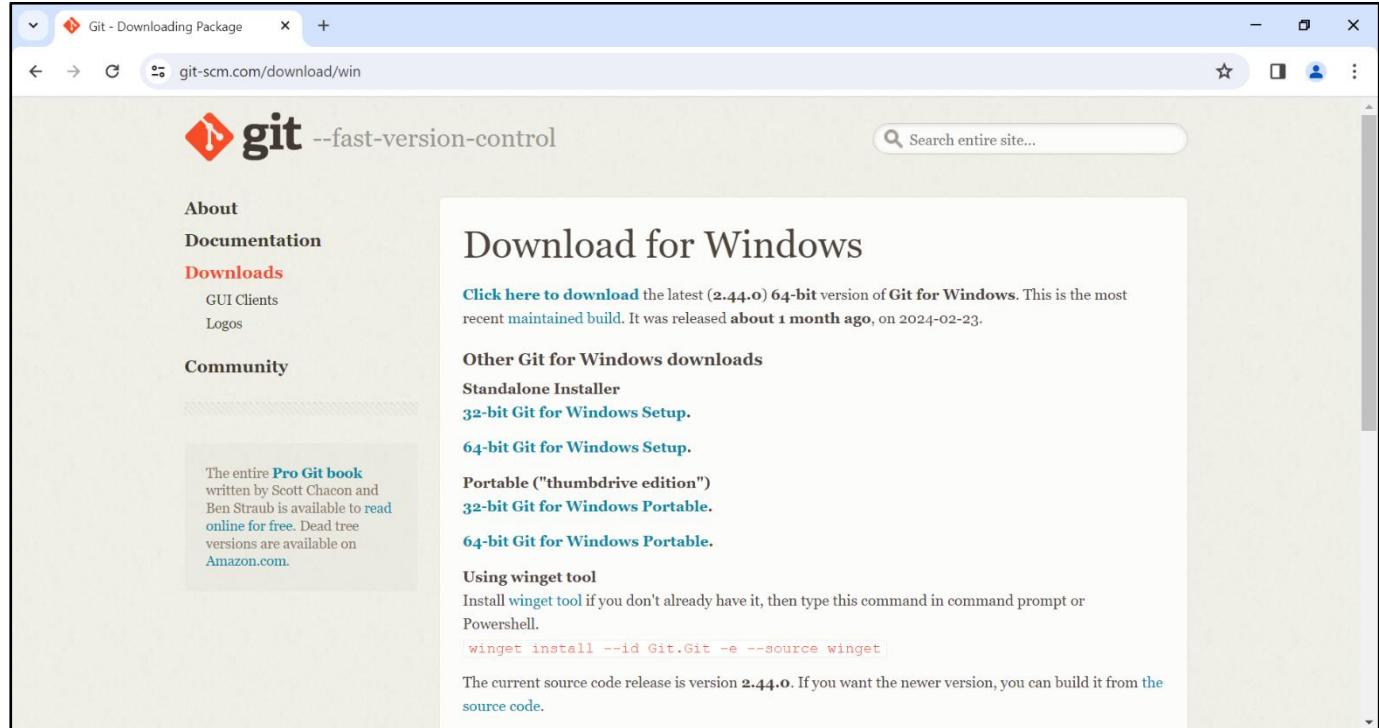


## Git installation

1. Download and install Git from <https://git-scm.com/download/win>. Use the defaults for the installation process.

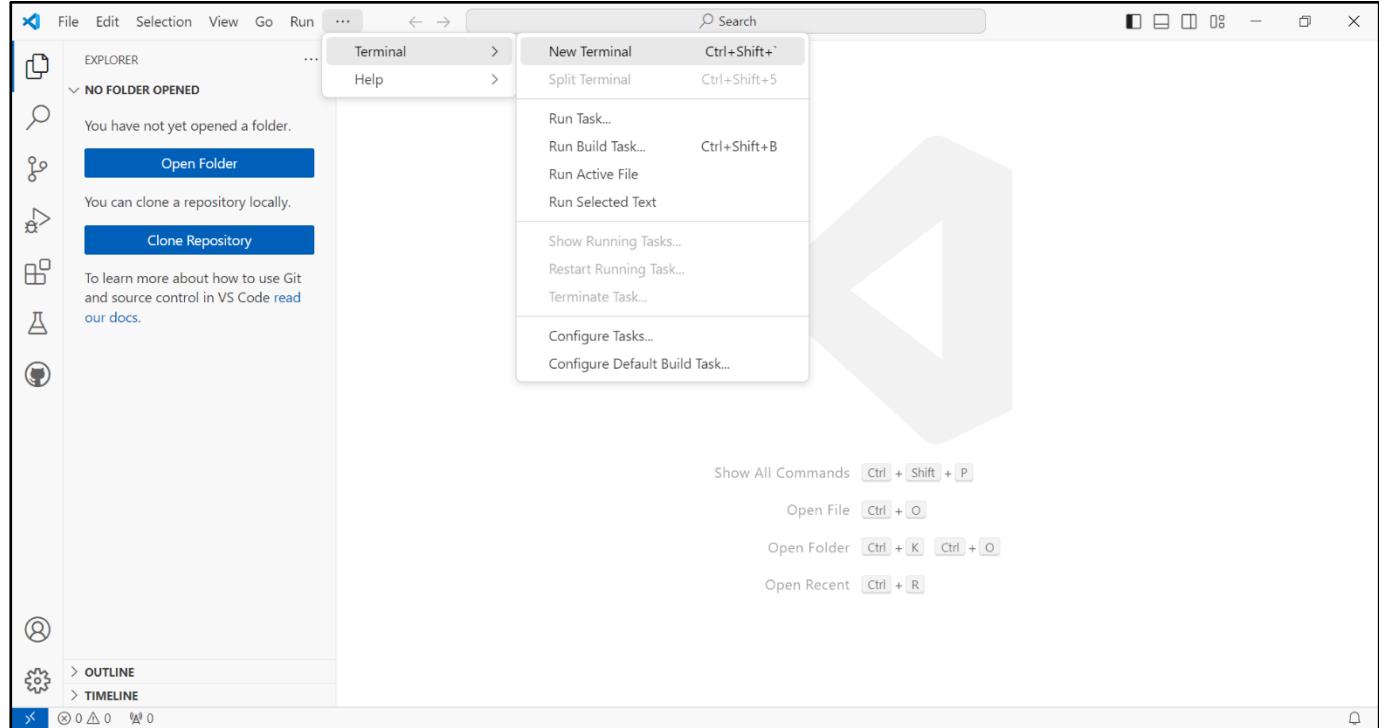


The screenshot shows a web browser window with the URL [git-scm.com/download/win](https://git-scm.com/download/win) in the address bar. The page is titled "Download for Windows". It features a prominent "Click here to download" button for the latest 64-bit version (2.44.0). Below this, there are links for other download options like "Standalone Installer", "32-bit Git for Windows Setup", and "64-bit Git for Windows Setup". A sidebar on the left provides information about the Pro Git book and links to GUI clients and logos. A search bar at the top right says "Search entire site...".

## Set default Git username and email

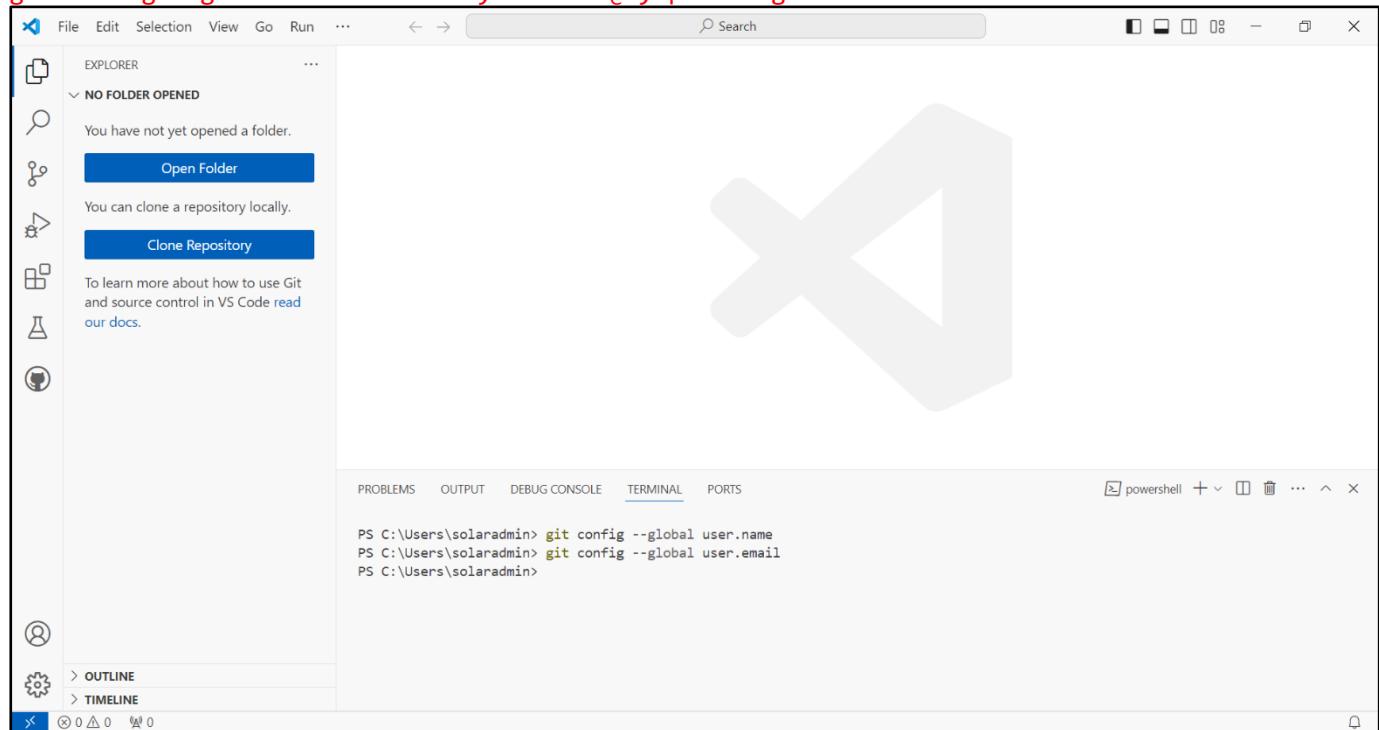
### 1. Launch Visual Studio Code

### 2. Open a terminal



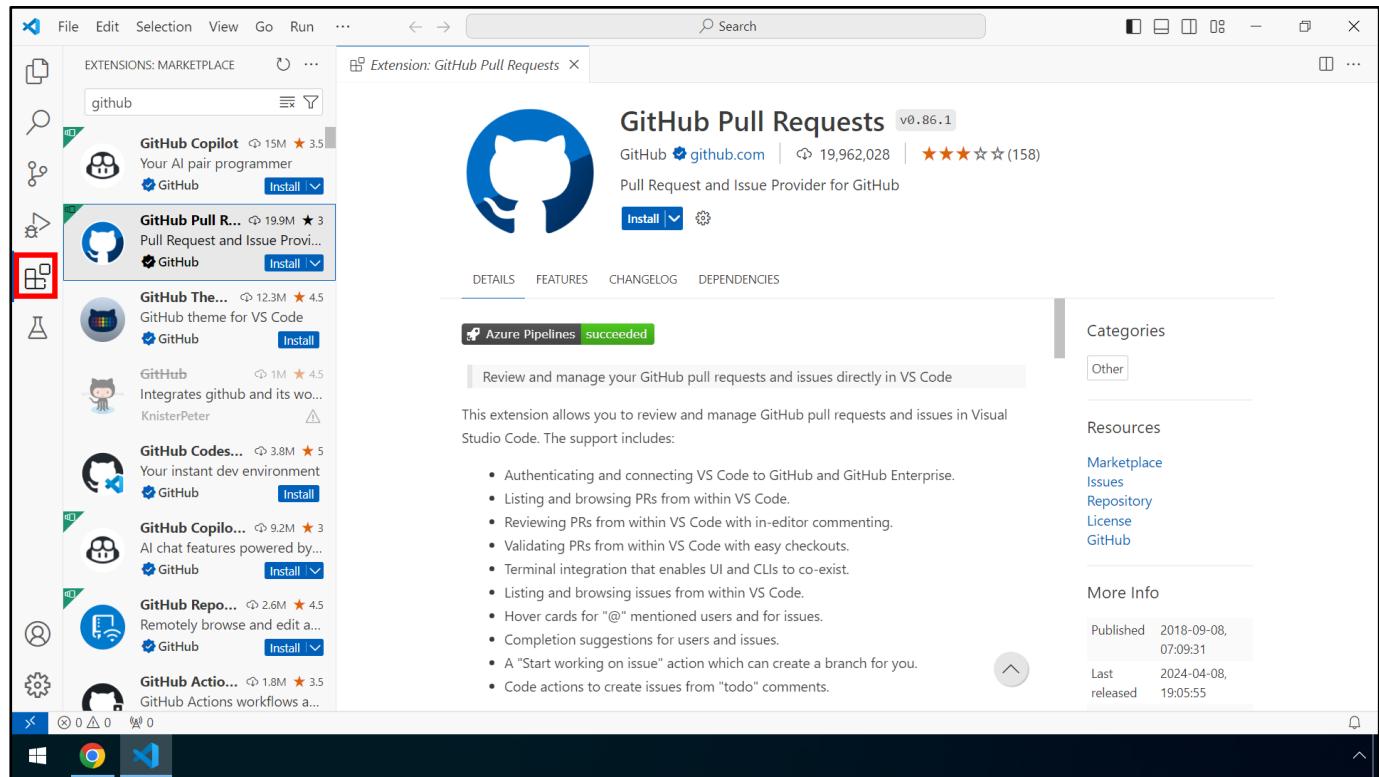
### 3. Enter the following commands (replace yourname and youremail with your own values)

```
git config --global user.name "yourname"  
git config --global user.email "youremail@myrp.edu.sg"
```



# GitHub Pull Requests extension for Visual Studio Code

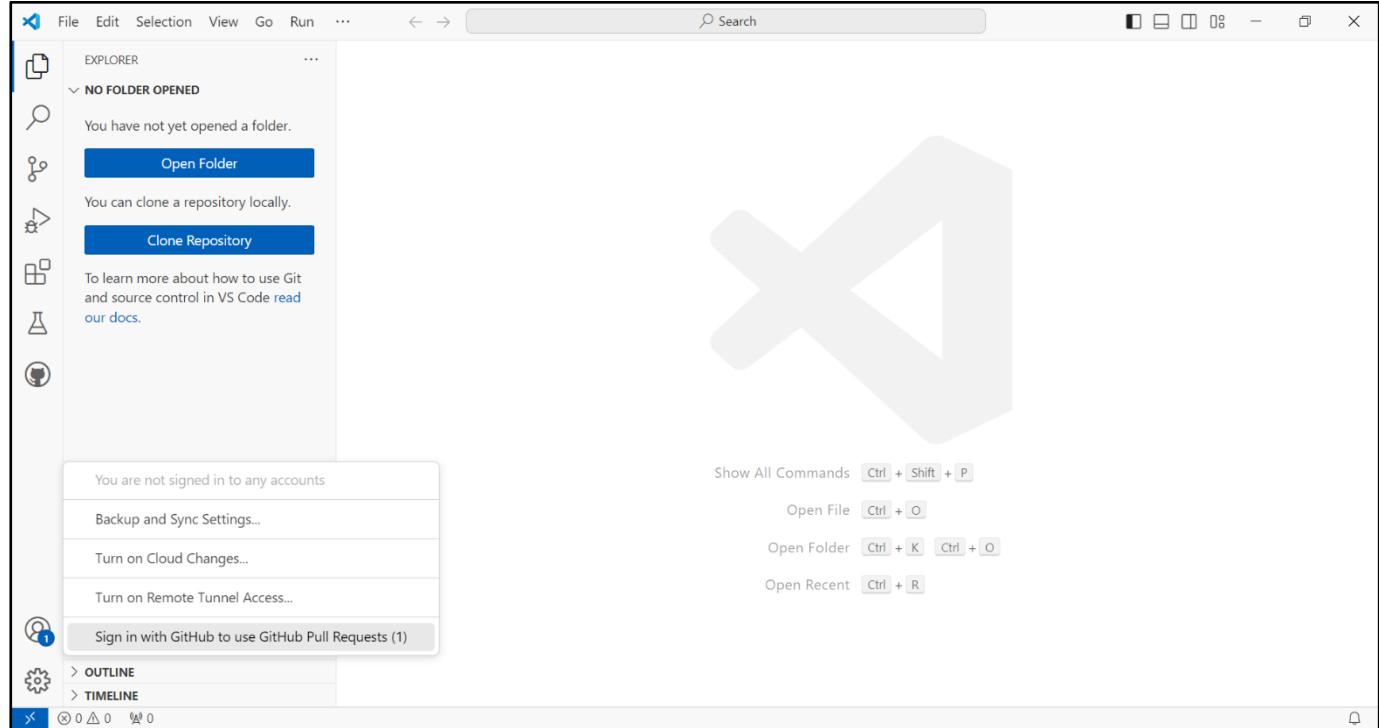
1. Launch Visual Studio Code
2. From the Extensions button on the left, search for and install the GitHub Pull Requests extension from GitHub



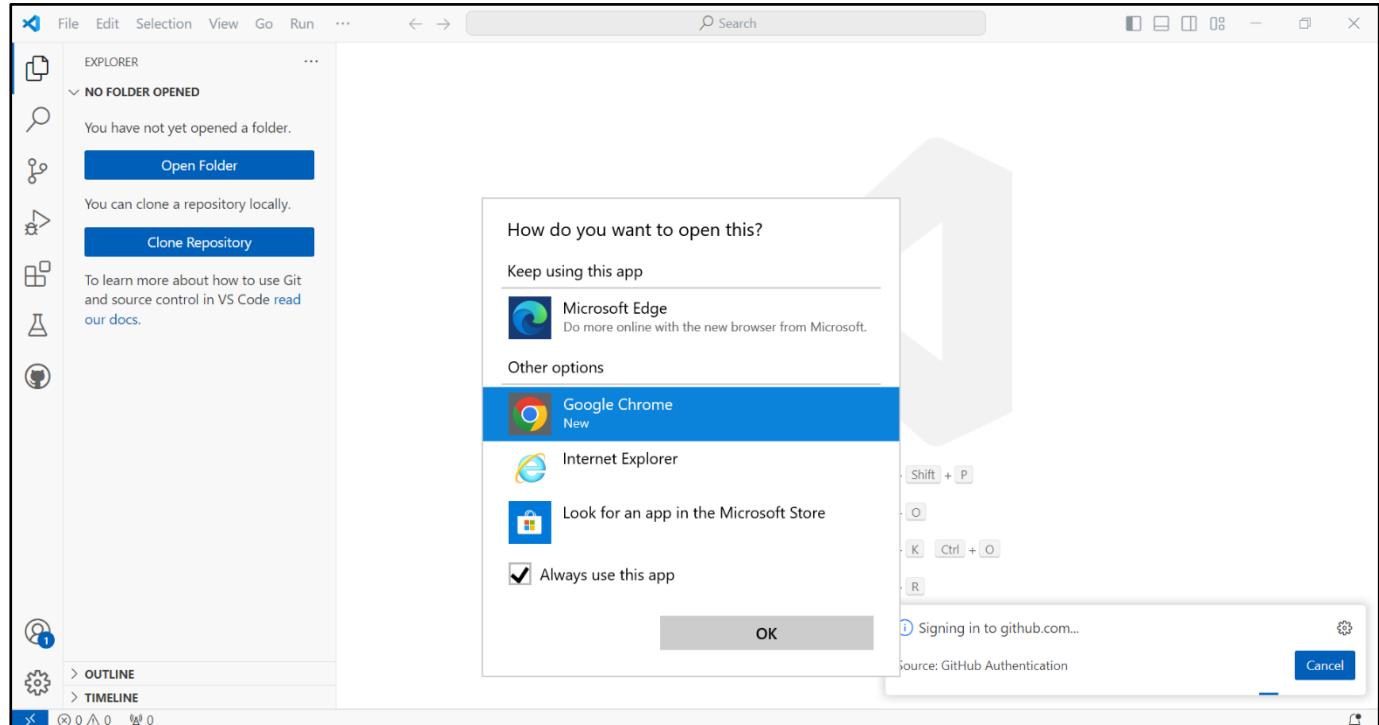
## Visual Studio Code sign in to GitHub

### 1. Launch Visual Studio Code

### 2. From the Accounts button on the left, click **Sign in with GitHub to use GitHub Pull Requests**

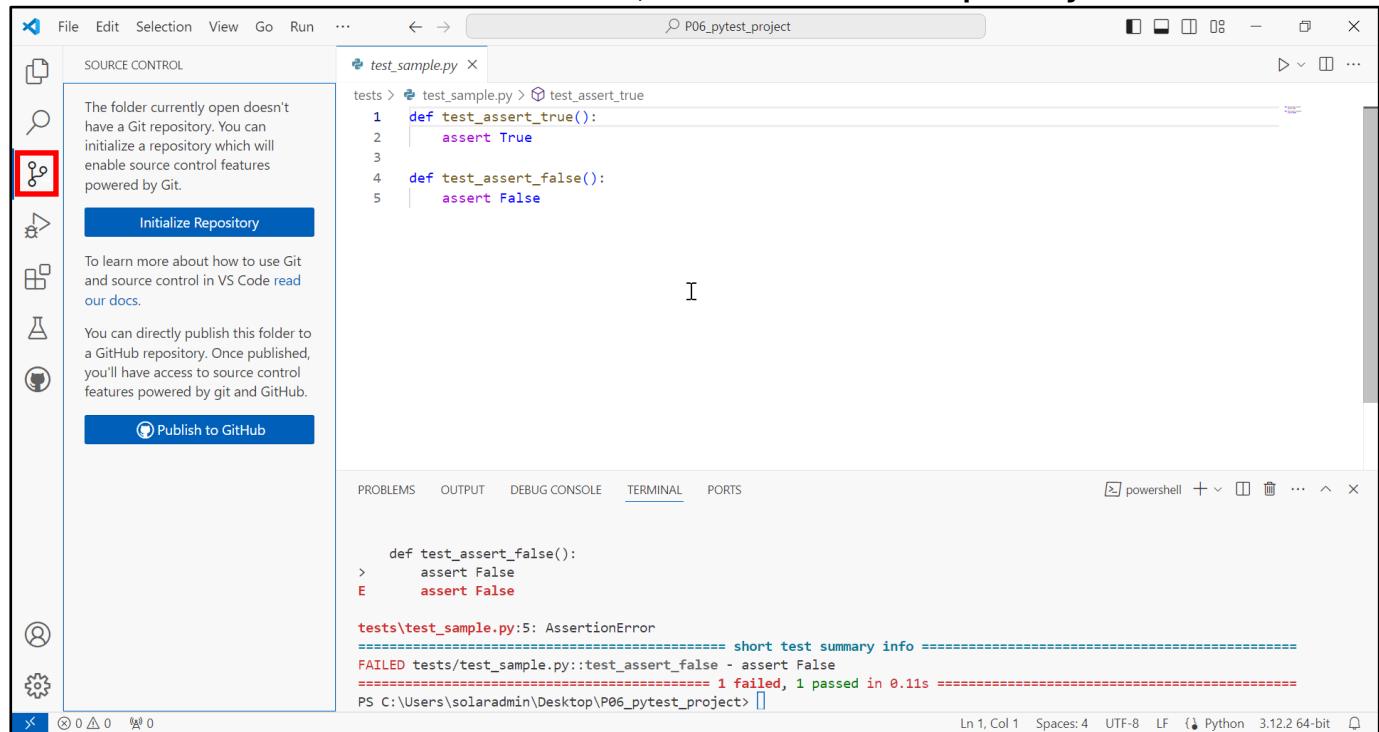


### 3. Select a browser to use for the authentication process and sign in from there

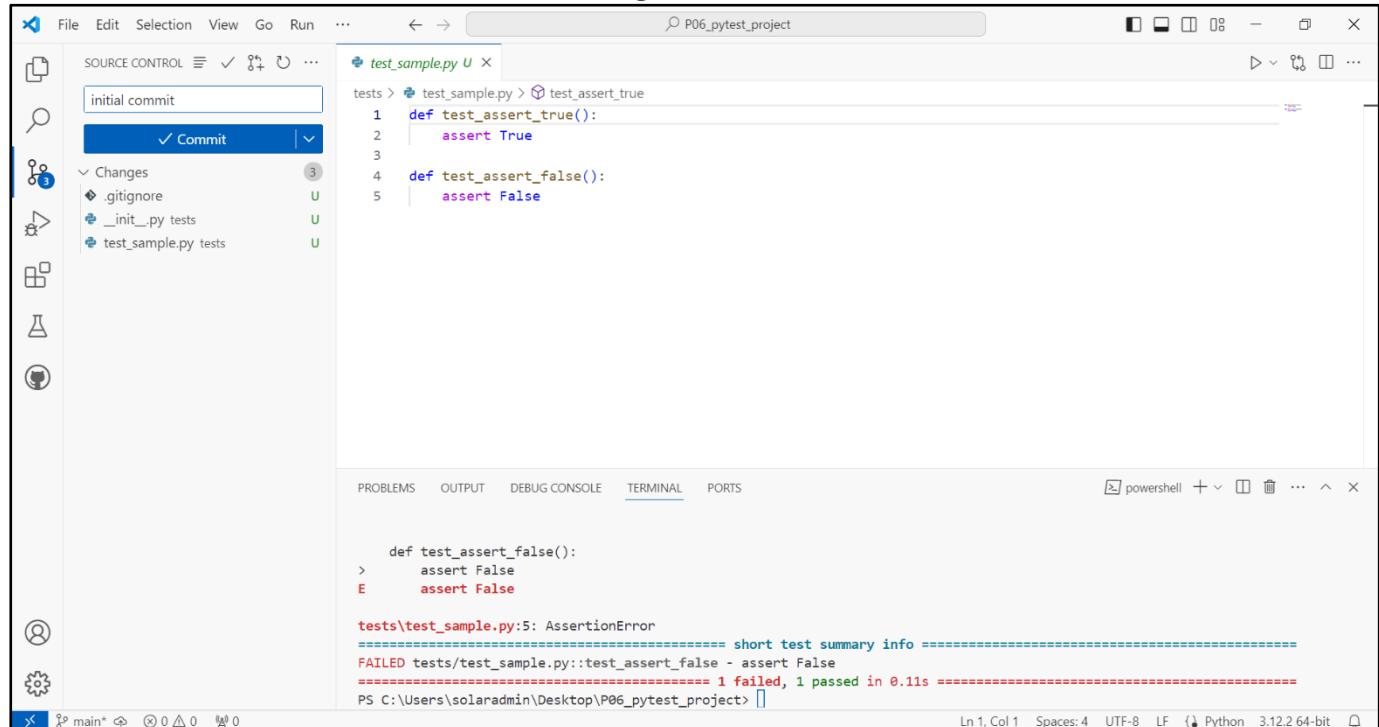


#### 4. Open the folder P06\_pytest\_project in VS Code

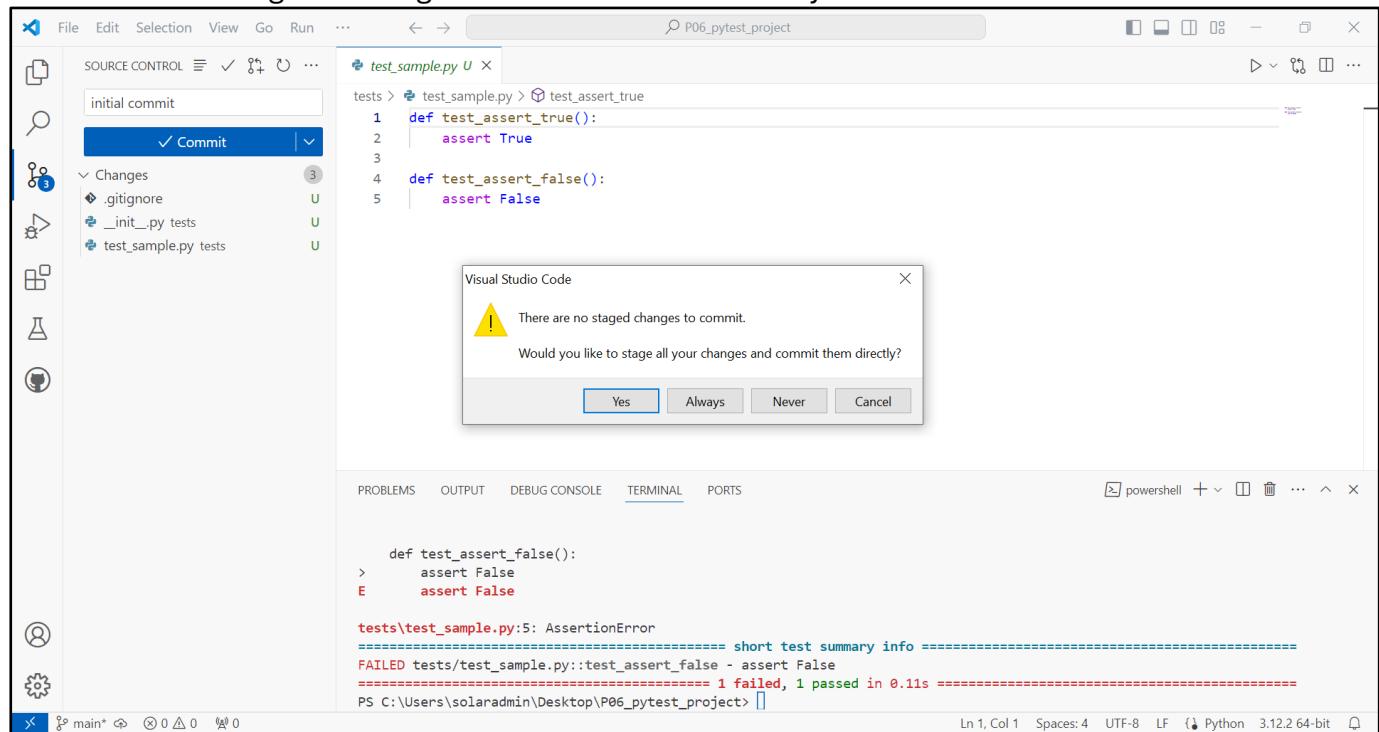
#### 5. Click the Source Control button on the left, then click Initialize Repository



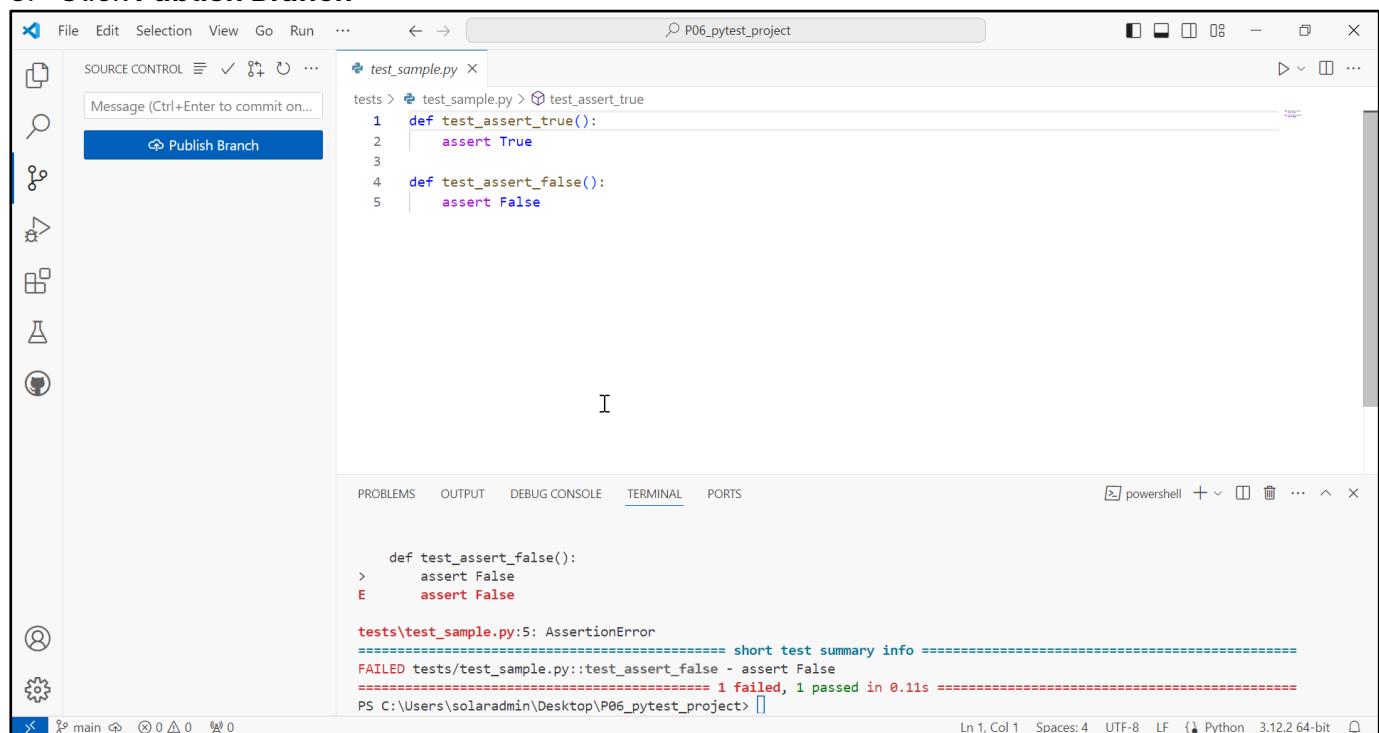
#### 6. Enter initial commit in the commit message textbox, then click Commit



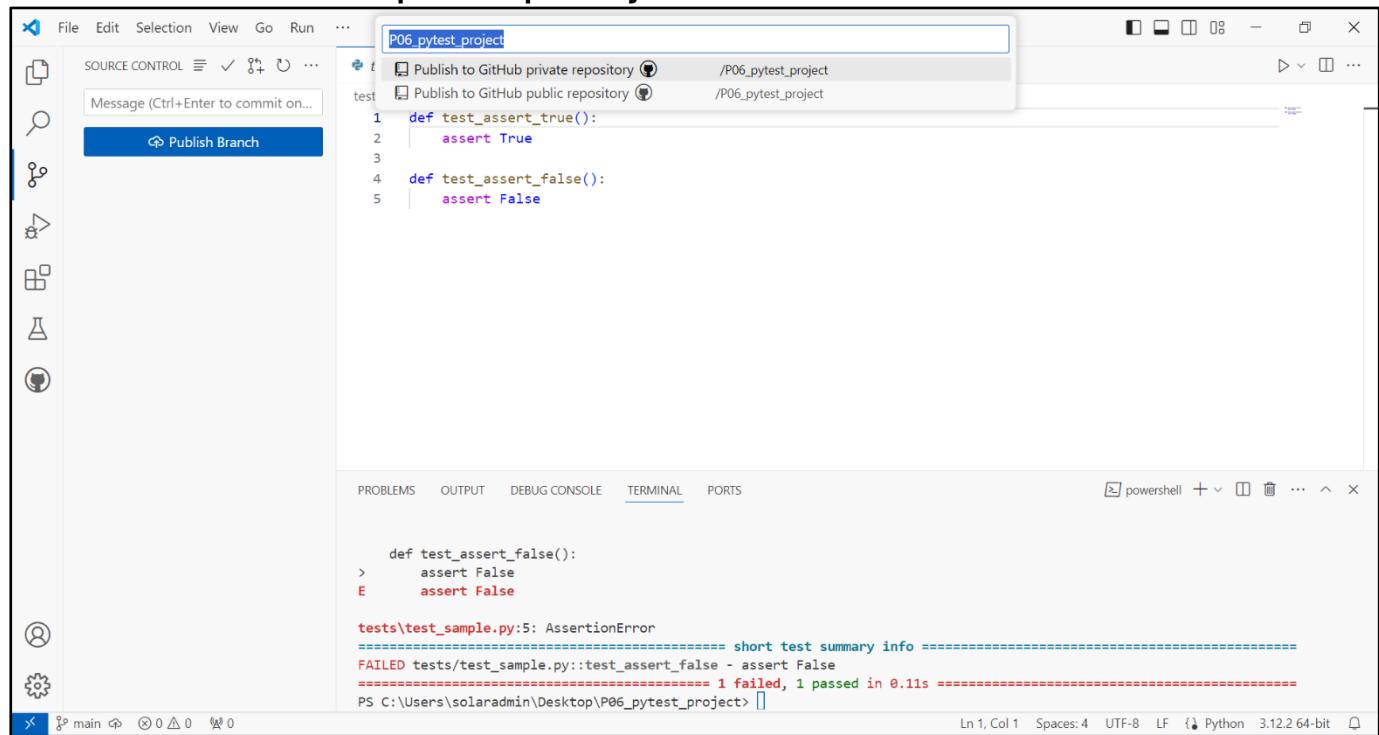
## 7. Click Yes to stage all changes and commit them directly



## 8. Click Publish Branch



## 9. Click Publish to GitHub public repository



The screenshot shows the Visual Studio Code interface with a Python file named 'test.py' open. A context menu is displayed at the top of the code editor, with the 'Publish to GitHub public repository' option highlighted. The code editor displays a simple pytest test with two failing assertions. The terminal below shows the test results and a GitHub upload message.

```

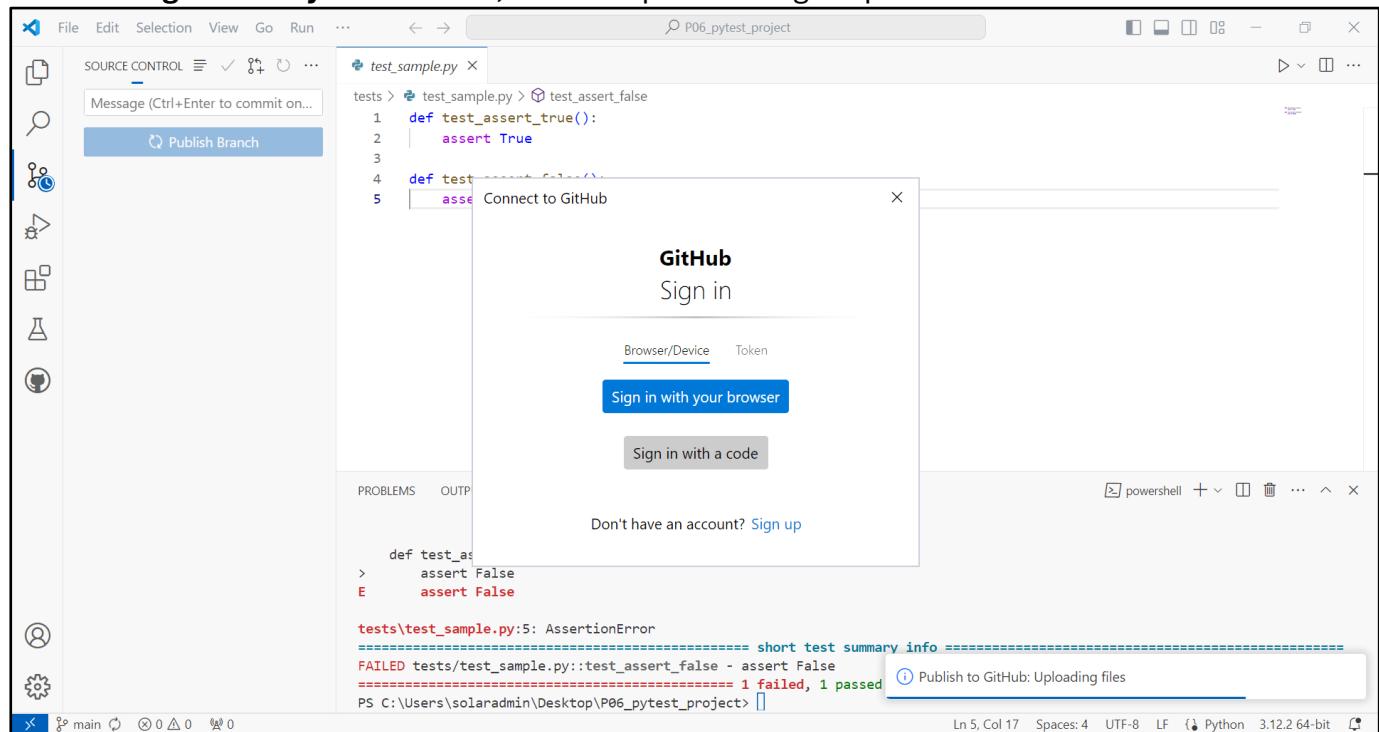
P06_pytest_project
File Edit Selection View Go Run ...
SOURCE CONTROL ✓ ⌘+ ⌘+ ⌘+ ⌘+ ⌘+ ...
Message (Ctrl+Enter to commit on...)
Publish Branch
test.py
1 def test_assert_true():
2     assert True
3
4 def test_assert_false():
5     assert False

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell + × ... ^ ×
def test_assert_false():
>     assert False
E     assert False

tests\test_sample.py:5: AssertionError
=====
FAILED tests/test_sample.py::test_assert_false - assert False
=====
===== 1 failed, 1 passed in 0.11s =====
PS C:\Users\solaradmin\Desktop\P06_pytest_project>
Ln 1, Col 1 Spaces:4 UTF-8 LF { Python 3.12.2 64-bit

```

## 10. Click Sign in with your browser, then complete the sign in process



The screenshot shows the Visual Studio Code interface with a Python file named 'test\_sample.py' open. A context menu is displayed at the top of the code editor, with the 'Connect to GitHub' option selected. A GitHub sign-in dialog box is overlaid on the interface, prompting the user to sign in with their browser or a code. The code editor displays a simple pytest test with two failing assertions. The terminal below shows the test results and a GitHub upload message.

```

File Edit Selection View Go Run ...
SOURCE CONTROL ✓ ⌘+ ⌘+ ⌘+ ⌘+ ⌘+ ...
Message (Ctrl+Enter to commit on...)
Publish Branch
test_sample.py
1 def test_assert_true():
2     assert True
3
4 def test_assert_false():
5     assert False
Connect to GitHub

GitHub
Sign in

Browser/Device Token
Sign in with your browser
Sign in with a code

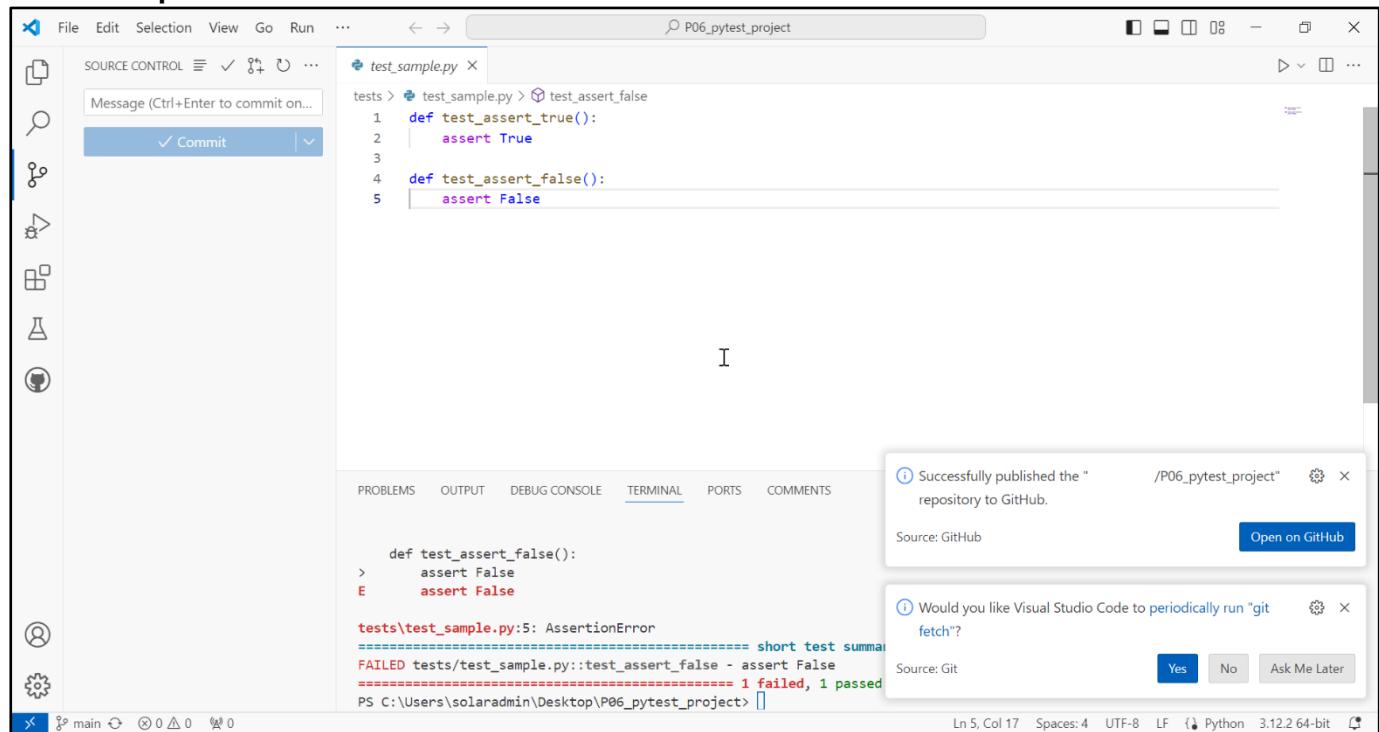
PROBLEMS OUTPUT
Don't have an account? Sign up

def test_assert_true():
>     assert True
E     assert True

tests\test_sample.py:5: AssertionError
=====
FAILED tests/test_sample.py::test_assert_true - assert True
=====
===== 1 failed, 1 passed =====
Publish to GitHub: Uploading files
PS C:\Users\solaradmin\Desktop\P06_pytest_project>
Ln 5, Col 17 Spaces:4 UTF-8 LF { Python 3.12.2 64-bit

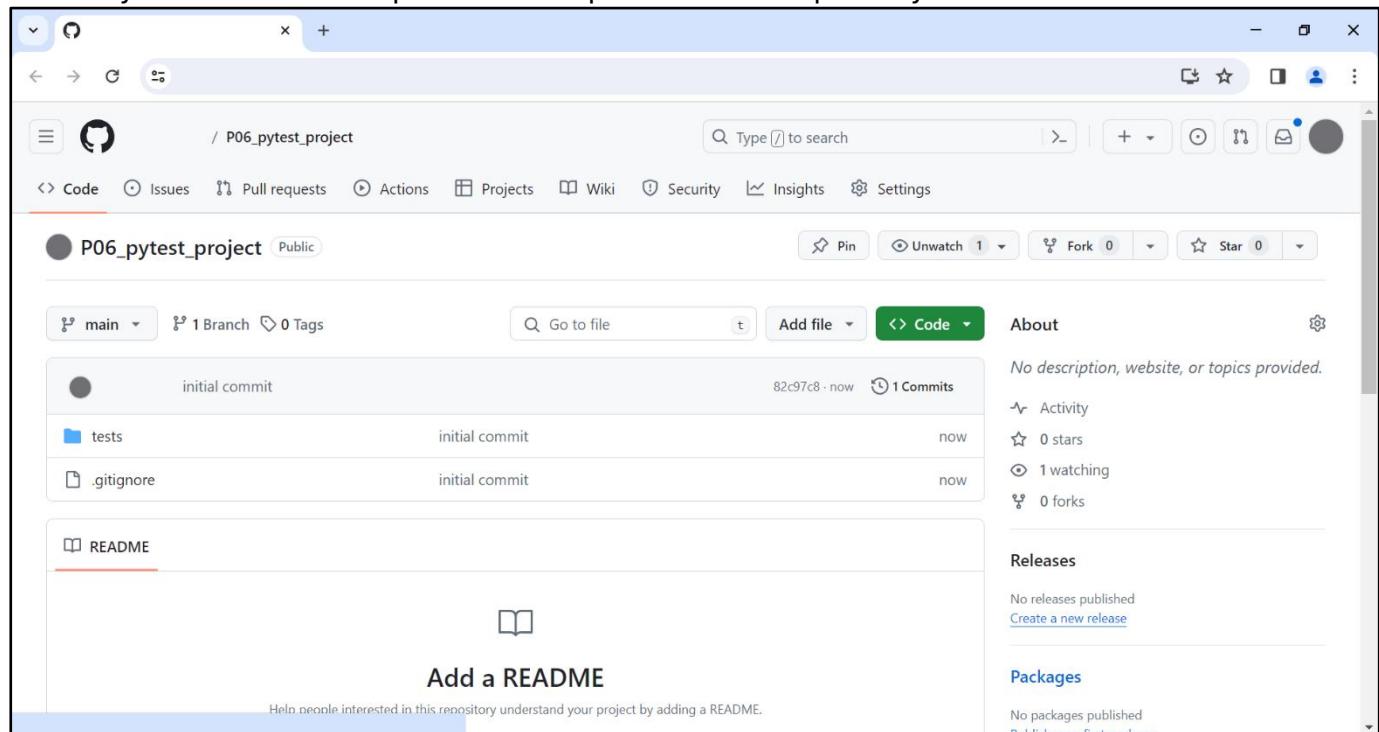
```

## 11. Click Open on GitHub



The screenshot shows the Visual Studio Code interface with a Python file named `test_sample.py` open. The code contains two test functions: `test_assert_true` which asserts `True`, and `test_assert_false` which asserts `False`. The terminal tab shows the output of running the tests, indicating one failure and one pass. A GitHub integration message at the bottom right of the terminal says "Successfully published the '/P06\_pytest\_project' repository to GitHub." There is also a tooltip asking if Visual Studio Code should periodically run "git fetch".

## 12. Verify that the code was pushed to the public GitHub repository



The screenshot shows the GitHub repository page for `P06_pytest_project`. The repository is public and has 1 branch and 0 tags. It contains three files: `initial commit` for `main`, `tests`, and `.gitignore`. The `README` file is present but empty. On the right side, there are sections for `About`, `Activity`, `Releases`, and `Packages`. The `About` section notes "No description, website, or topics provided." The `Activity` section shows 1 watching and 0 forks.