



## Module 2.6 Assignment - Publishing Code to GitHub

For this assignment, your objective is to publish the software project from Module 2.7 to a public GitHub repository using Visual Studio Code. To successfully complete this task, kindly submit the URL to your GitHub repository through the corresponding Moodle Assignment (<https://moodle.univie.ac.at/mod/assign/view.php?id=18152582>).

### 1 Creating a new Repository

1. Open a Browser and go to <https://www.github.com> (Figure 1).
2. Press the "+"-icon and click on "New repository" (Figure 2).
3. Provide a name for your new repository and check the "Add README.md" checkbox. After you've done that, click on the "create repository" button (Figure 3).
4. Copy the SSH URL to your GitHub Repository (Figure 4).

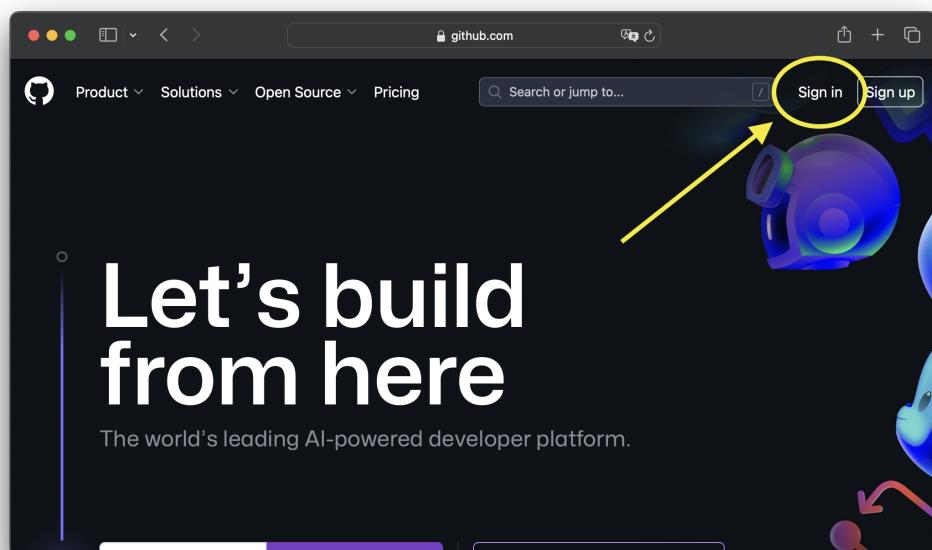


Figure 1: Login to GitHub

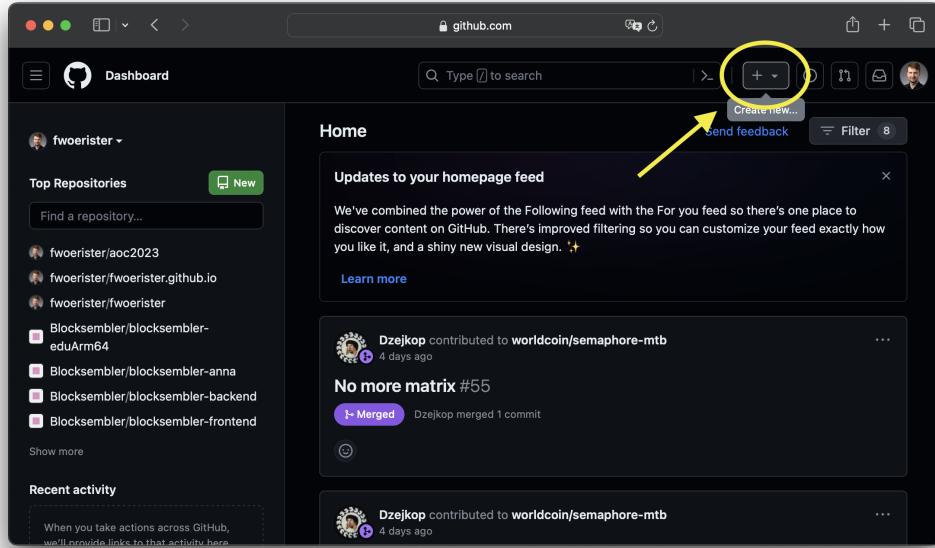


Figure 2: Create a new repository

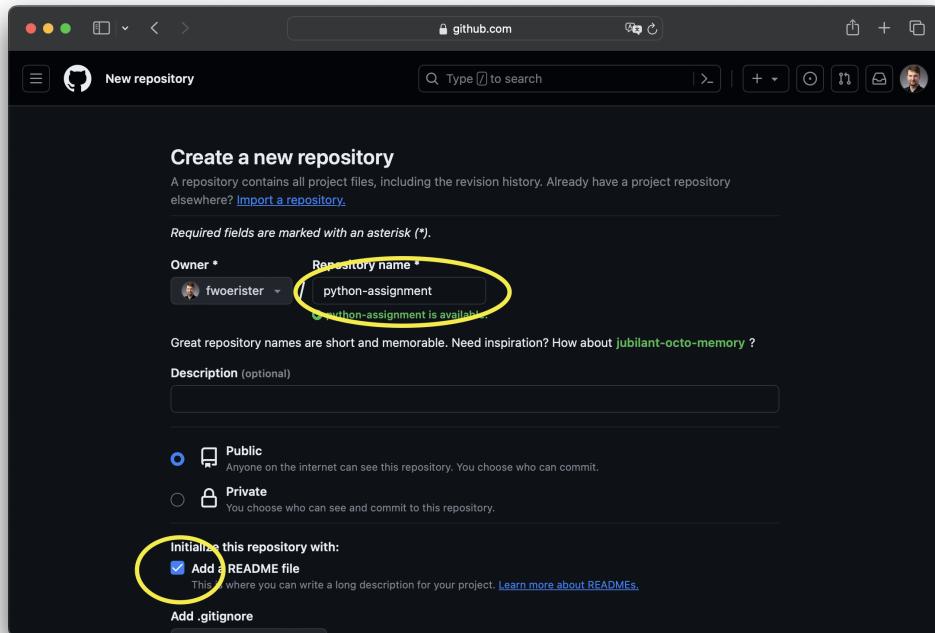


Figure 3: Provide information for the new GitHub repository.

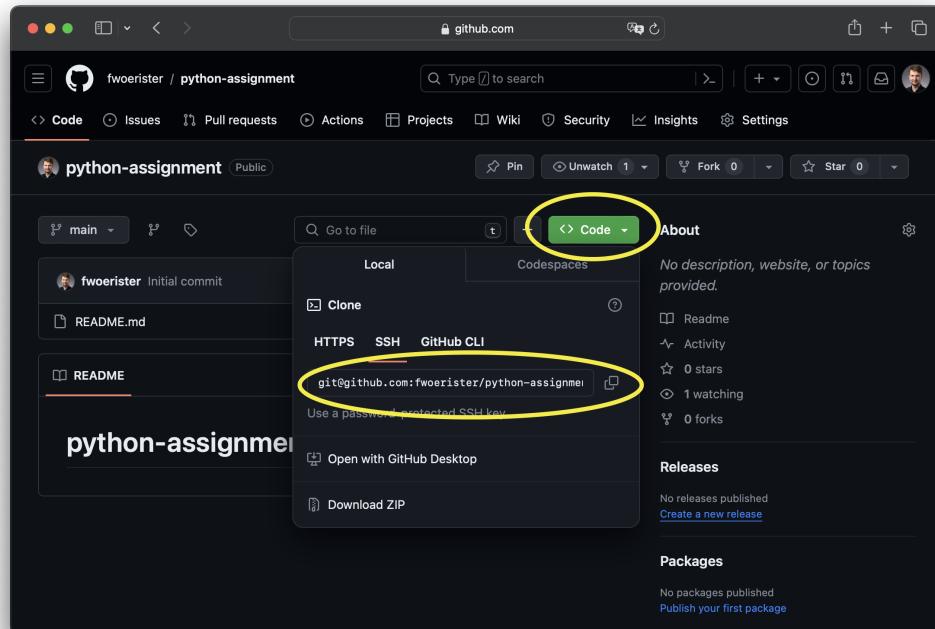


Figure 4: Copying the SSH URL

## 2 Cloning the Repository to your Local Computer

1. Open Visual Studio Code
2. Click on "Clone Git Repository" (Figure 5)
3. Enter SSH URL to the git repository (Figure 6)

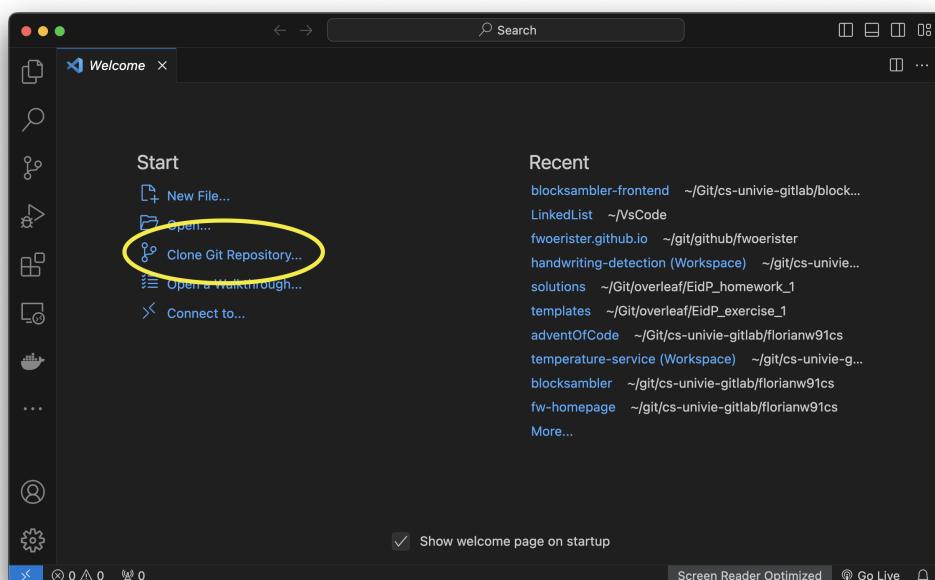


Figure 5: Cloning a Git Repository

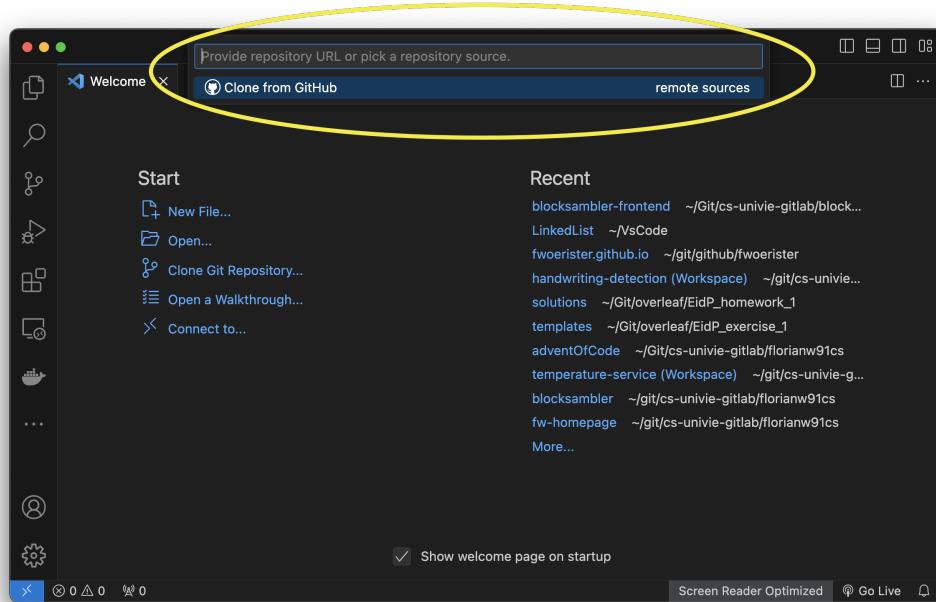


Figure 6: Enter URL to the git repository.

### 3 Adding Files

1. Click on the "add file"-icon (7).
2. Add content to the new file.

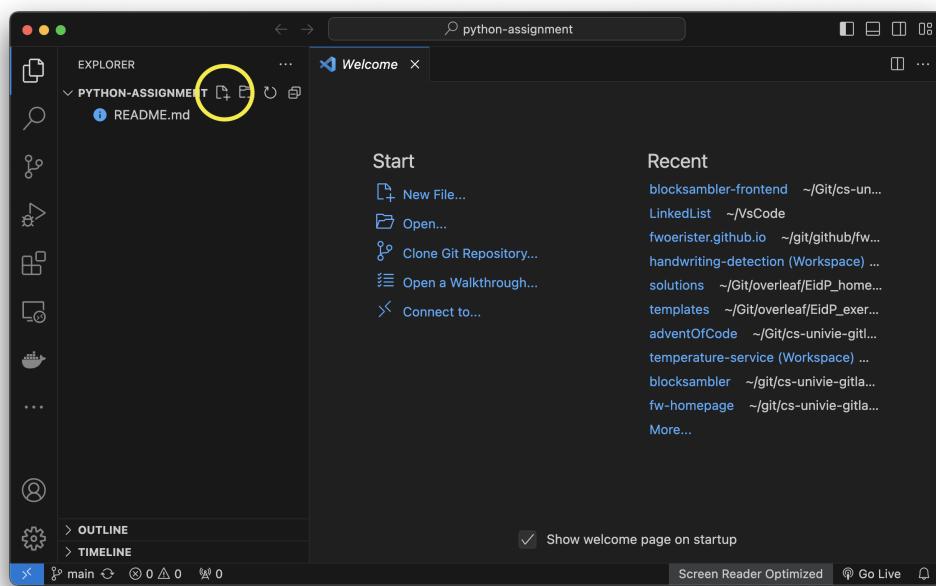


Figure 7: Creating a new file.

### 4 Stage Changes

1. Click on the "Version Control"-icon (8)

2. Click on the "+"-icon to stage the changes you want to commit (Figure 9).

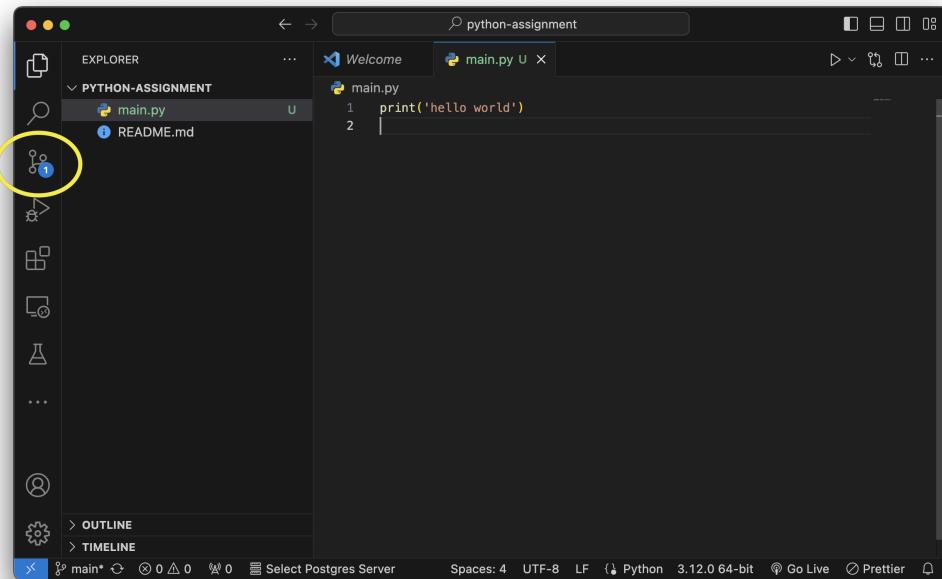


Figure 8: Open the Source Control View.

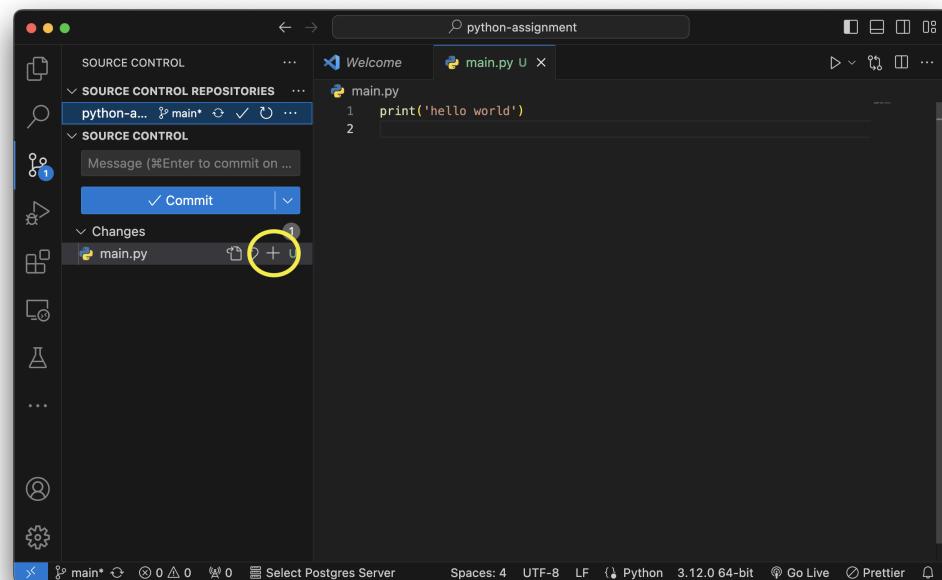


Figure 9: Stage changes (git add)

## 5 Committing Files and Pushing to Remot Repository (GitHub)

1. Enter a commit message and click on the "commit"-button (Figure 10)
2. Click on the "Sync Changes"-button (Figure 11)

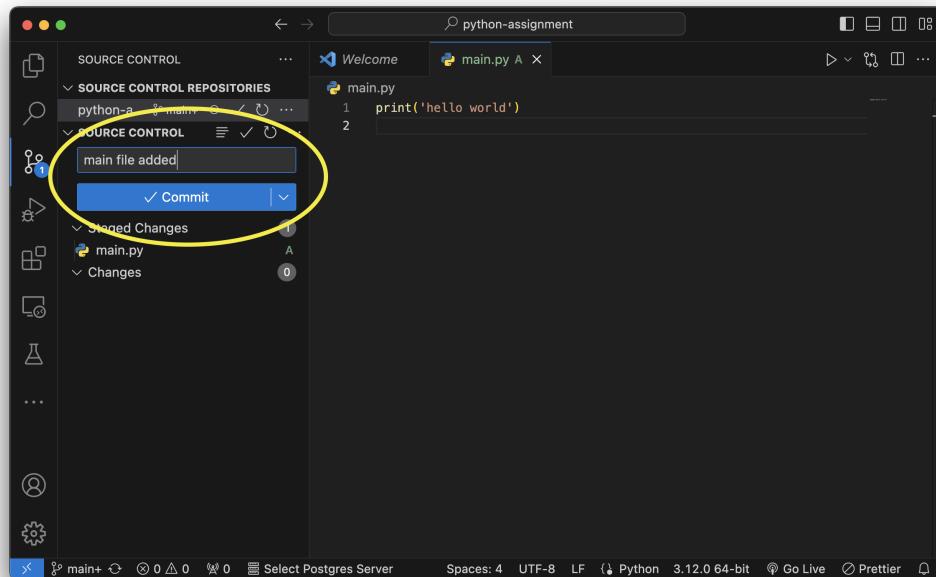


Figure 10: Commiting files to the local repository (`git commit`).

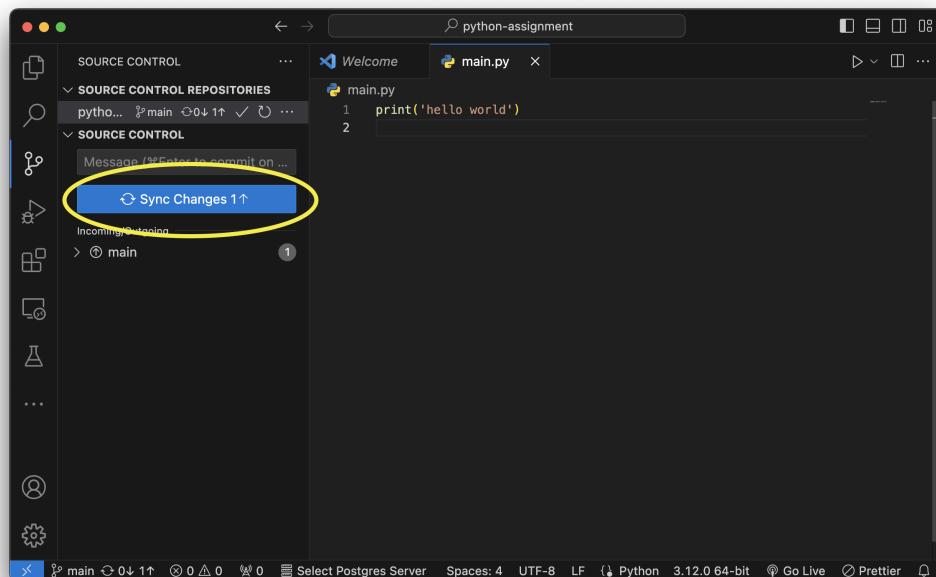


Figure 11: Synchronizing changes with the remote git repository (`git push`).