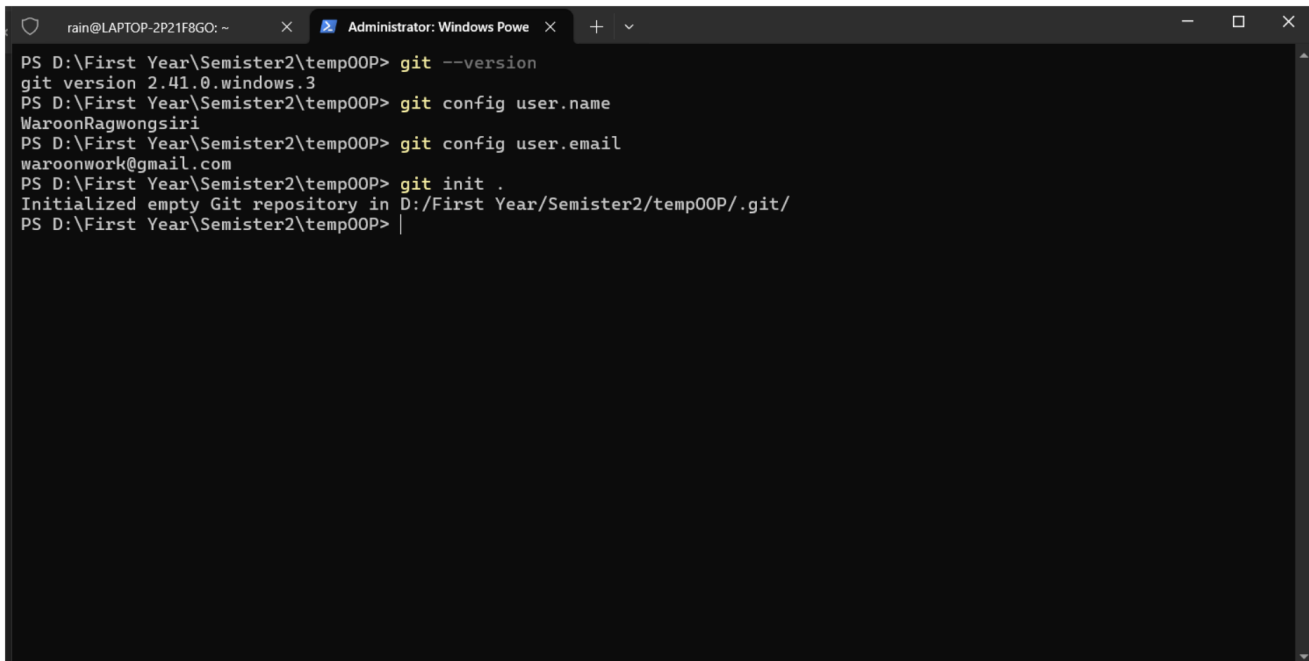


Lab 6 Git and GitHub

68011008 Waroon Ragwongsiri

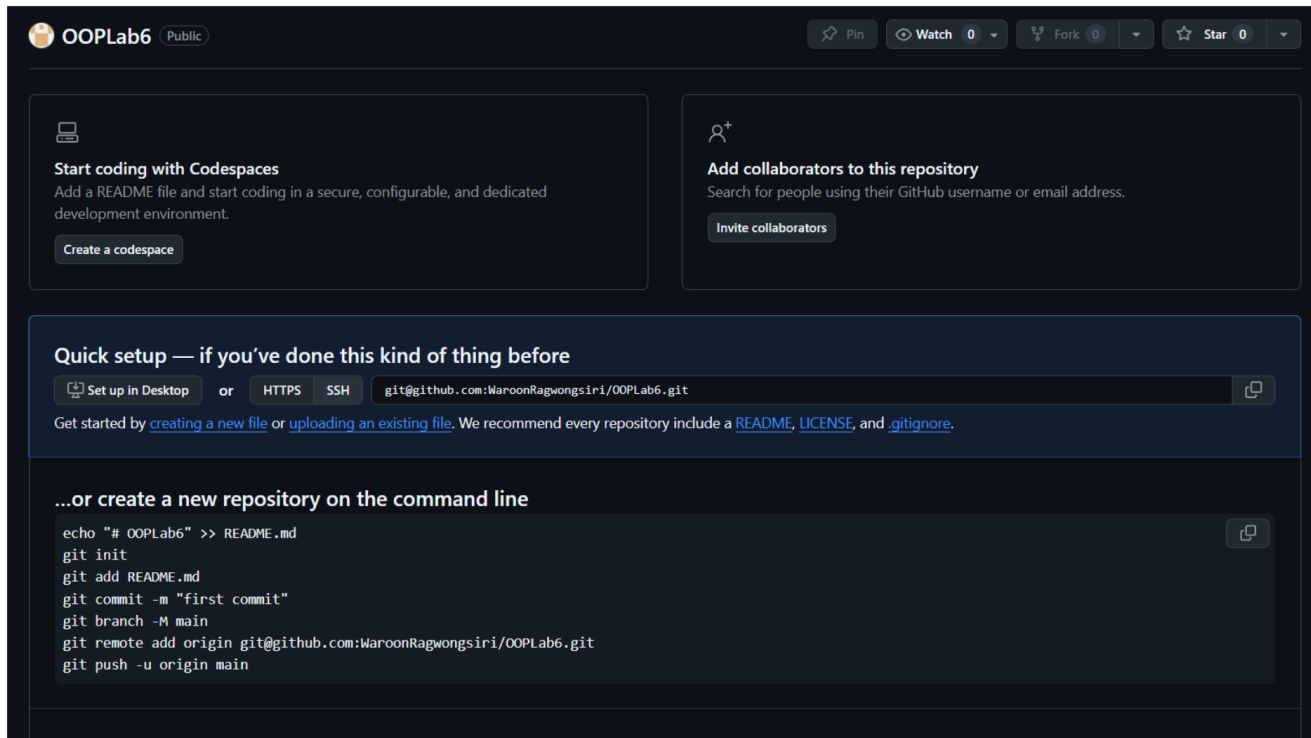
11/01/2026

1 Create Local Repository

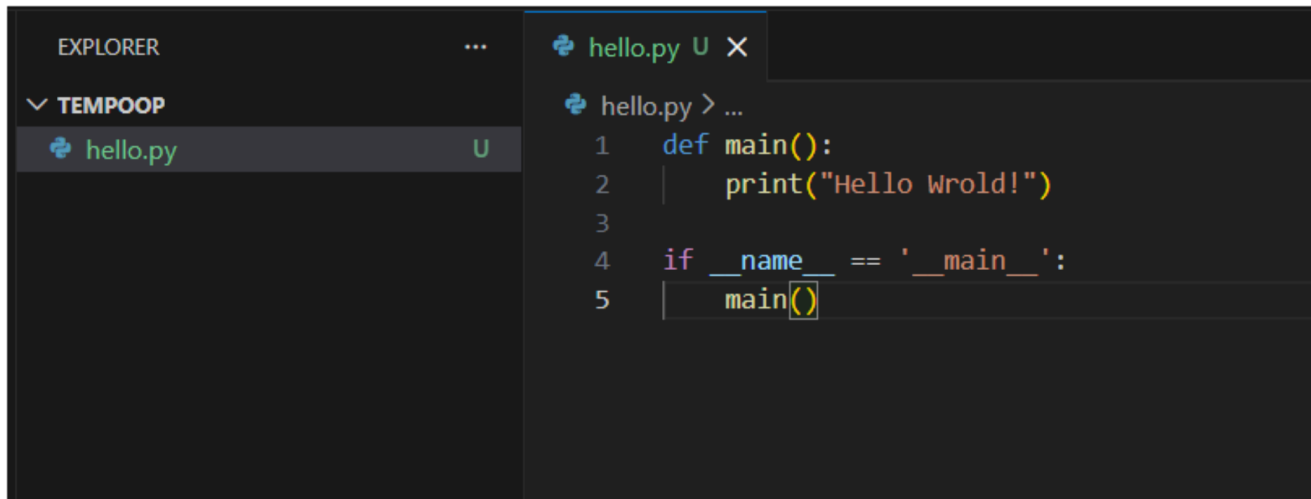


```
rain@LAPTOP-2P21F8GQ: ~
Administrator: Windows Powe
PS D:\First Year\Semister2\temp00P> git --version
git version 2.41.0.windows.3
PS D:\First Year\Semister2\temp00P> git config user.name
WaroonRagwongsiri
PS D:\First Year\Semister2\temp00P> git config user.email
waroonwork@gmail.com
PS D:\First Year\Semister2\temp00P> git init .
Initialized empty Git repository in D:/First Year/Semister2/temp00P/.git/
PS D:\First Year\Semister2\temp00P> |
```

2 Create Remote Repository



3 Create File



The screenshot shows the Visual Studio Code interface. On the left, the 'EXPLORER' sidebar displays a folder named 'TEMPOOP' containing a new file 'hello.py'. The file icon is a blue document with a plus sign, and a green 'U' icon indicates it is unsaved. The main editor area shows the contents of 'hello.py', which is a Python script:

```
1 def main():
2     print("Hello Wrold!")
3
4 if __name__ == '__main__':
5     main()
```

4 Add file to remote repository

```
PS D:\First Year\Semister2\temp00P> git init .
Initialized empty Git repository in D:/First Year/Semister2/temp00P/.git/
PS D:\First Year\Semister2\temp00P> code .
PS D:\First Year\Semister2\temp00P> git remote add origin git@github.com:WaroonRagwongsiri/OOPLab6.git
PS D:\First Year\Semister2\temp00P> git add .
PS D:\First Year\Semister2\temp00P> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   hello.py

PS D:\First Year\Semister2\temp00P> git branch -M main
PS D:\First Year\Semister2\temp00P> git commit -m "first commit"
[main (root-commit) f6574e6] first commit
 1 file changed, 5 insertions(+)
 create mode 100644 hello.py
PS D:\First Year\Semister2\temp00P> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 281 bytes | 281.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:WaroonRagwongsiri/OOPLab6.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS D:\First Year\Semister2\temp00P> |
```

5 Create branch feature-1

```
branch main set up to track origin/main :
PS D:\First Year\Semister2\temp00P> git branch feature-1
PS D:\First Year\Semister2\temp00P> git checkout feature-1
Switched to branch 'feature-1'
```

6 Modified file and push branch

```
PS D:\First Year\Semister2\temp00P> git add .
PS D:\First Year\Semister2\temp00P> git commit -m "fix typo 1"
On branch feature-1
nothing to commit, working tree clean
PS D:\First Year\Semister2\temp00P> git push
fatal: The current branch feature-1 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin feature-1

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

PS D:\First Year\Semister2\temp00P> git push --set-upstream origin feature-1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 156.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature-1' on GitHub by visiting:
remote:   https://github.com/WaroonRagwongsiri/00PLab6/pull/new/feature-1
remote:
To github.com:WaroonRagwongsiri/00PLab6.git
 * [new branch]      feature-1 -> feature-1
branch 'feature-1' set up to track 'origin/feature-1'.
PS D:\First Year\Semister2\temp00P> |
```

7 Create and push sub-branch

```
Branch 'feature-1' set up to track 'origin/feature-1'.
PS D:\First Year\Semister2\temp00P> git branch sub-feature-1
PS D:\First Year\Semister2\temp00P> git checkout sub-feature-1
Switched to branch 'sub-feature-1'
PS D:\First Year\Semister2\temp00P> git add .
PS D:\First Year\Semister2\temp00P> git commit -m "fix typo 2"
[sub-feature-1 5c7a4c3] fix typo 2
 1 file changed, 1 insertion(+), 1 deletion(-)
PS D:\First Year\Semister2\temp00P> git push --set-upstream origin sub-feature-1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 311 bytes | 311.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'sub-feature-1' on GitHub by visiting:
remote:   https://github.com/WaroonRagwongsiri/00PLab6/pull/new/sub-feature-1
remote:
To github.com:WaroonRagwongsiri/00PLab6.git
 * [new branch]      sub-feature-1 -> sub-feature-1
branch 'sub-feature-1' set up to track 'origin/sub-feature-1'.
PS D:\First Year\Semister2\temp00P> |
```

8 Merge sub-feature-1 to feature-1

```
branch 'sub-feature-1' set up to track 'origin/sub-feature-1'.
PS D:\First Year\Semister2\temp00P> git checkout feature-1
Switched to branch 'feature-1'
Your branch is up to date with 'origin/feature-1'.
PS D:\First Year\Semister2\temp00P> git merge sub-feature-1
Updating 5e1d743..5c7a4c3
Fast-forward
 hello.py | 2 + -
 1 file changed, 1 insertion(+), 1 deletion(-)
PS D:\First Year\Semister2\temp00P> |
```

9 Merge feature-1 to main

```
PS D:\First Year\Semister2\temp00P> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS D:\First Year\Semister2\temp00P> git merge feature-1
Updating f6574e6..5c7a4c3
Fast-forward
 hello.py | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
PS D:\First Year\Semister2\temp00P> |
```

10 Repository Url

<https://github.com/WaroonRagwongsiri/OOPLab6>
<https://github.com/WaroonRagwongsiri/OOPLab6.git>