For CLEAR VISIBLE Screenshot - 4 points

Multiple GitHub account will be required. You can use your multiple account or can use your friend's account

Task 1.1: Create a normal folder in your local system.

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps> mkdir devops-class-activity-1


        Directory: C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----          1/26/2026     14:26                devops-class-activity-1
```
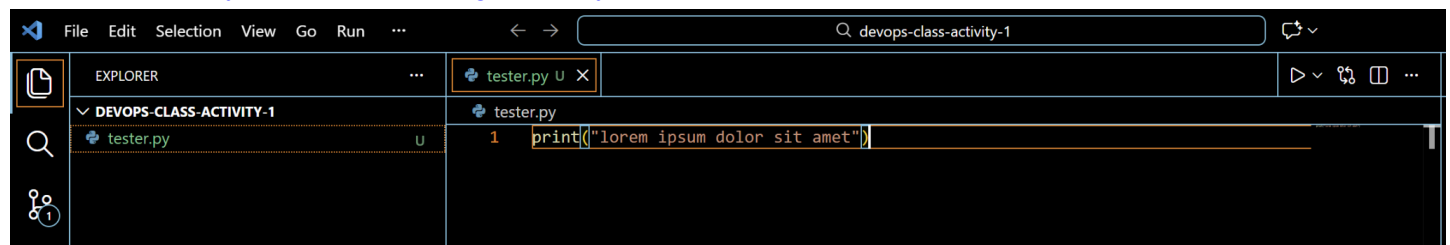
Task 1.2: Convert it in git working directory. - Command Screenshot

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps> git init
Reinitialized existing Git repository in C:/Users/Chanheng Menh/Documents/Spring-2026/DevOps/.git/
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps>
```

Task 1.3: Add any files in the working directory.

```
File   Edit   Selection   View   Go   Run   ...        ←  →            Q devops-class-activity-1

EXPLORER          ...    tester.py U X
∨ DEVOPS-CLASS-ACTIVITY-1        tester.py
   tester.py          U      1   print("lorem ipsum dolor sit amet")
```

Task 1.4: Shift those files in the staging area - Command Screenshot

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git add .
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```

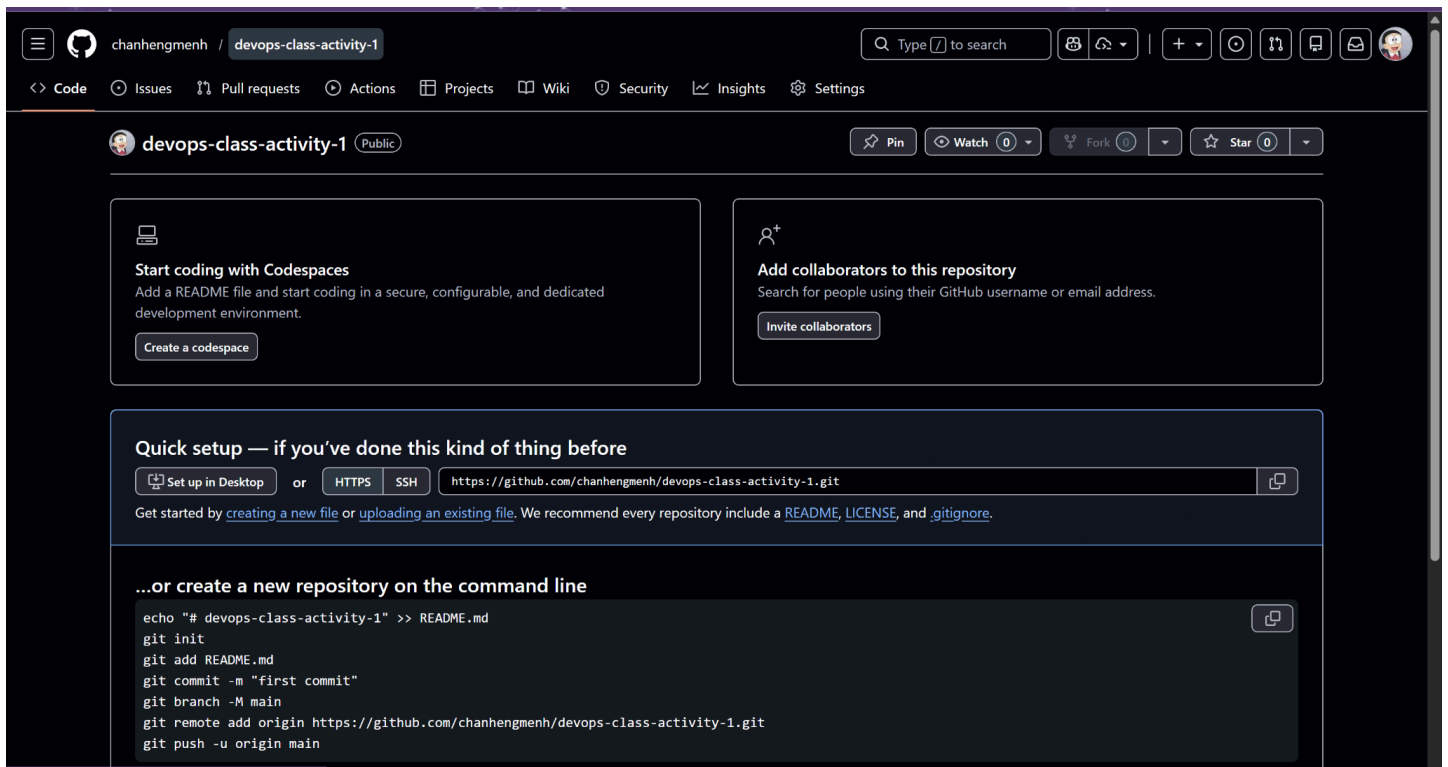If required -Set Git Global name and email as required. Use email by which you can Login in your GitHub Account

Task 1.5: Shift those files to the Local repository - Command Screenshot

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git commit -m "initial one"
[master (root-commit) 9b51b14] initial one
 1 file changed, 1 insertion(+)
 create mode 100644 devops-class-activity-1/tester.py
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```
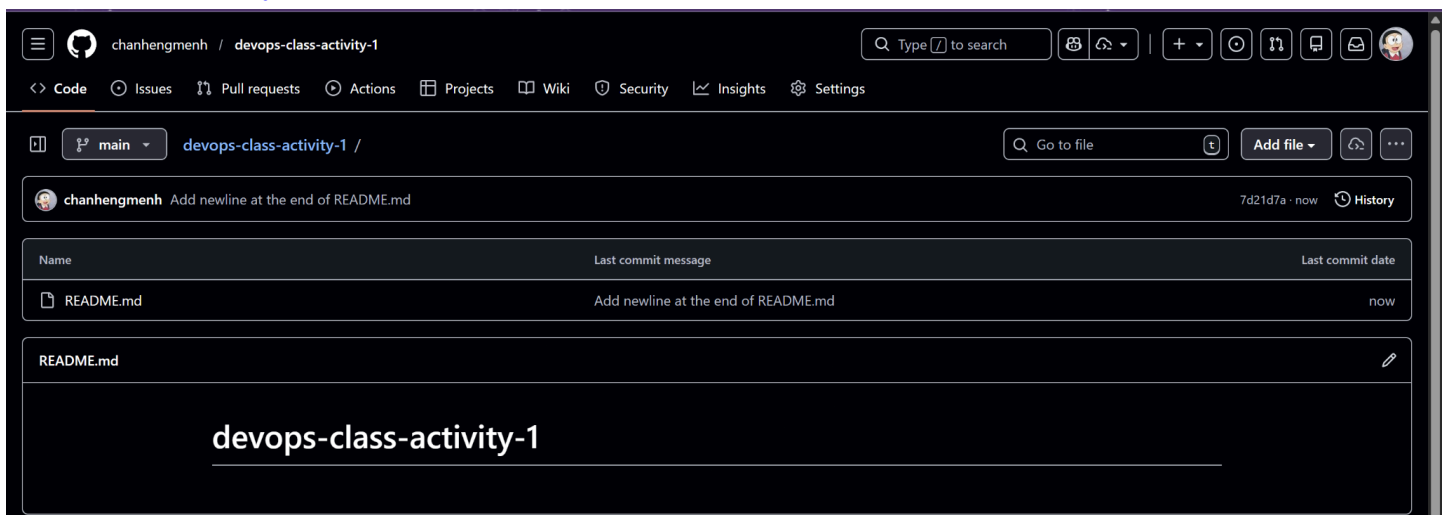
Task 1.6: Check and show by default in which branch files are added? Command / Output Screenshot

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git branch
* master
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```
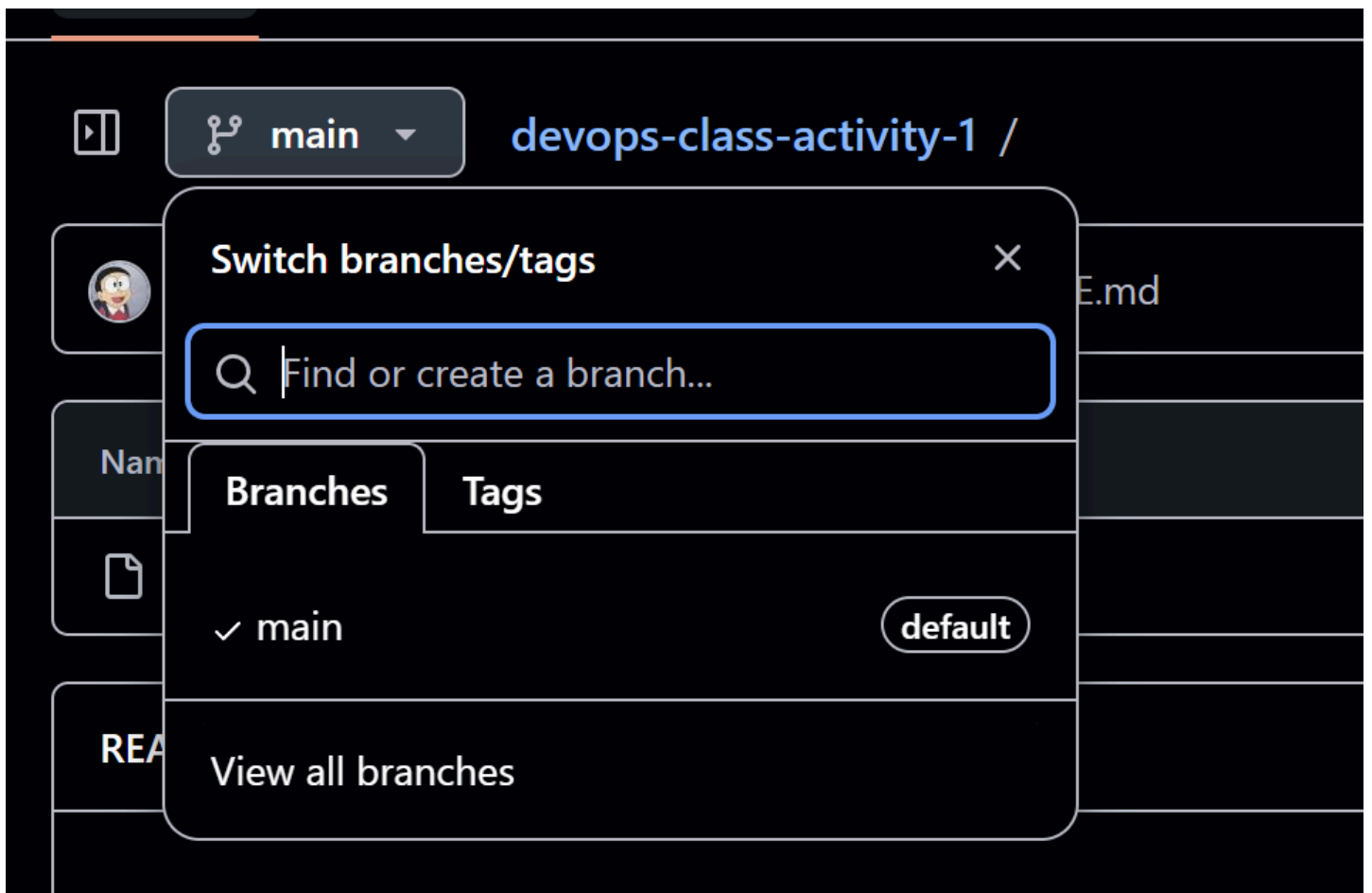
Task 2.1: Create a repository in the GitHub giving the same/different name as your local repository.

Task 2.2: Upload any different files in it

Task 2.3: show by default in which branch files are added? Screenshot

Question 1: In this moment, without configuring anything is it possible to push local git repository to the GitHub repository? If no what things we need to do to resolve the issue - Answer / Command Screenshot
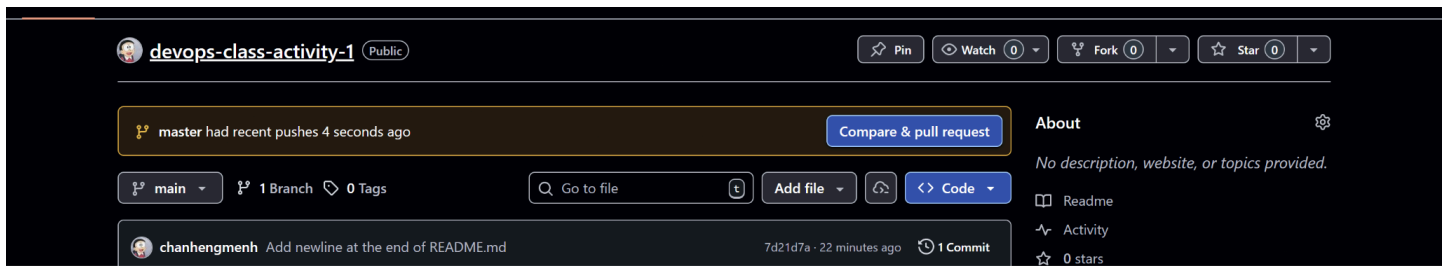
Answer: No, without the configuration, our local repository will not know our remote github repository. As a solution, we need to add remote origin (git remote add origin <github repository url>), and then we push it into the branch that we want (git push -u origin main)

```
● PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git remote add origin https://github.com/chanhengmenh/devops-class-activity-1.git
○ PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```

Question 2: After resolving the issue, if you push your repository in the GitHub, by default it will merge with main or will create another branch? Answer / Command Screenshot
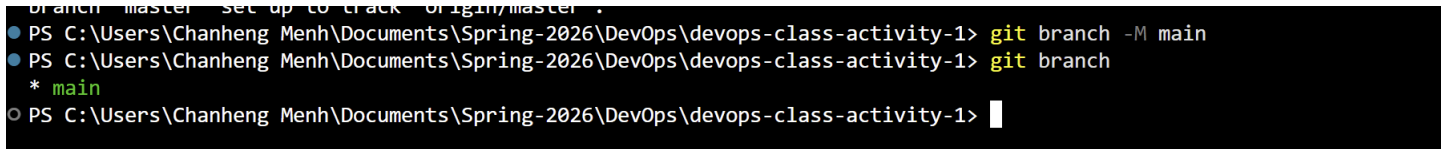
Answer: It will create another branch. In default, our local repository branch is "master", and our github repository branch is "main", since they have different branch names, git will treat it as different histories, so it creates a new branch "master".

```
● PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 312 bytes | 156.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/chanhengmenh/devops-class-activity-1/pull/new/master
remote:
To https://github.com/chanhengmenh/devops-class-activity-1.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
Q PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```
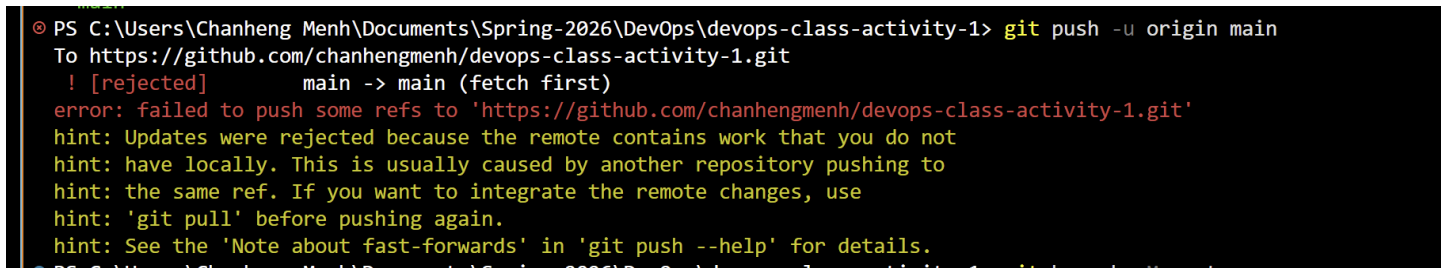
Question 3: Is it possible to change your local repository branch name from master to main? If yes, do it then check branch name. Screenshot

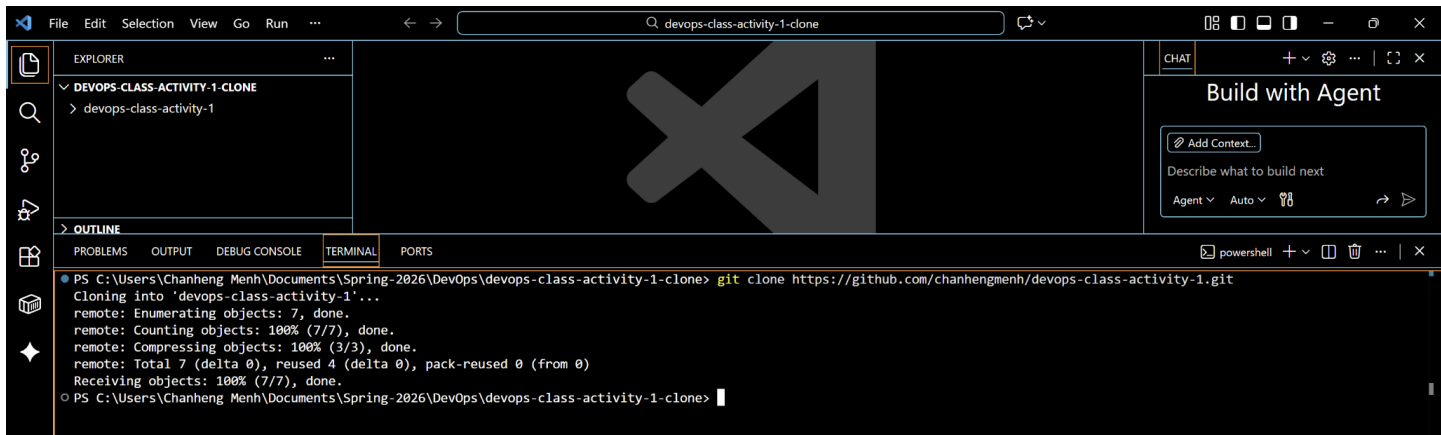Answer: Yes, we can change the local repository branch name from master to main.

```
branch 'master' set up to track 'origin/master'.
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git branch -M main
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git branch
* main
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1>
```

Question 4: After change the branch name as main, is it possible to push the code in the GitHub and that files will merge in the main branch? Answer / Screenshot
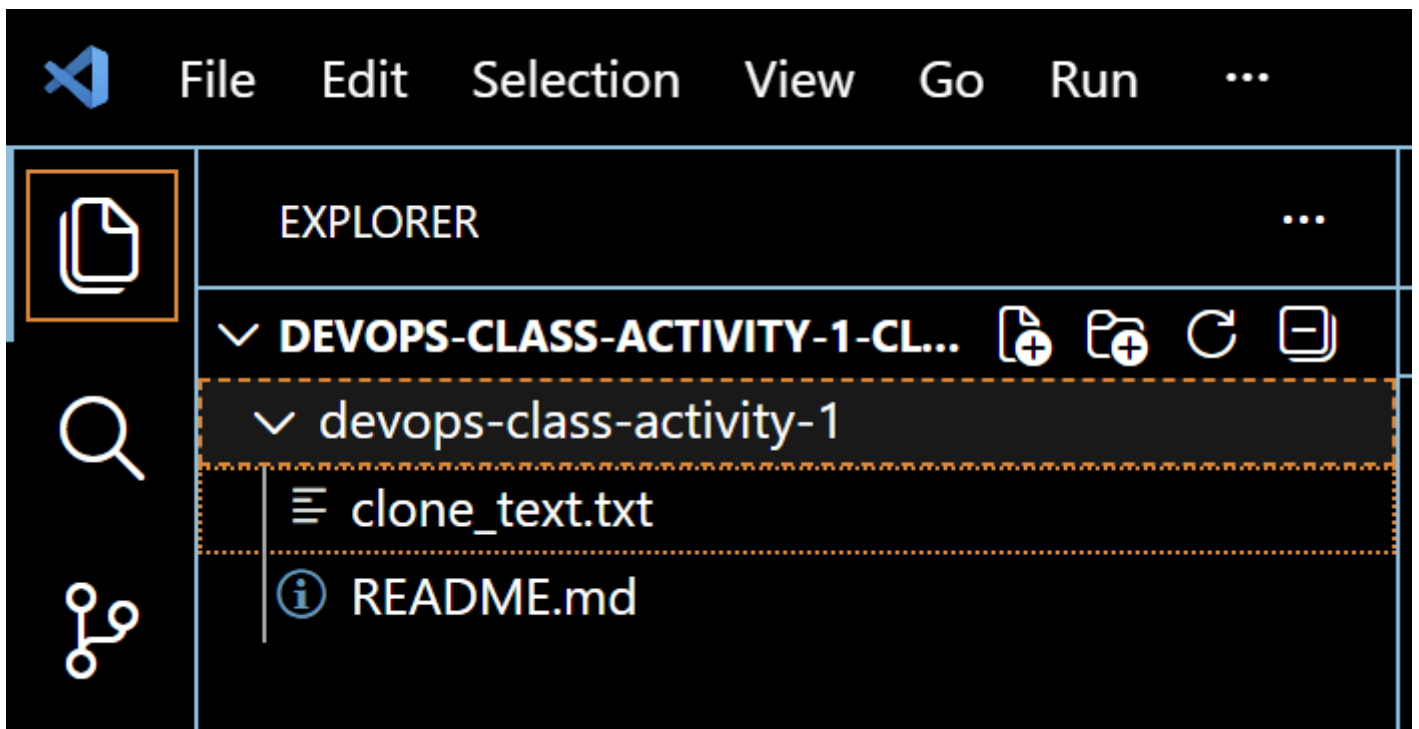
Answer: No, it is not.

```
main
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1> git push -u origin main
To https://github.com/chanhengmenh/devops-class-activity-1.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/chanhengmenh/devops-class-activity-1.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

Task 3.1: Clone your GitHub Repository Command / Output Screenshot

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone> git clone https://github.com/chanhengmenh/devops-class-activity-1.git
Cloning into 'devops-class-activity-1'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 7 (delta 0), reused 4 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), done.
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone>
```

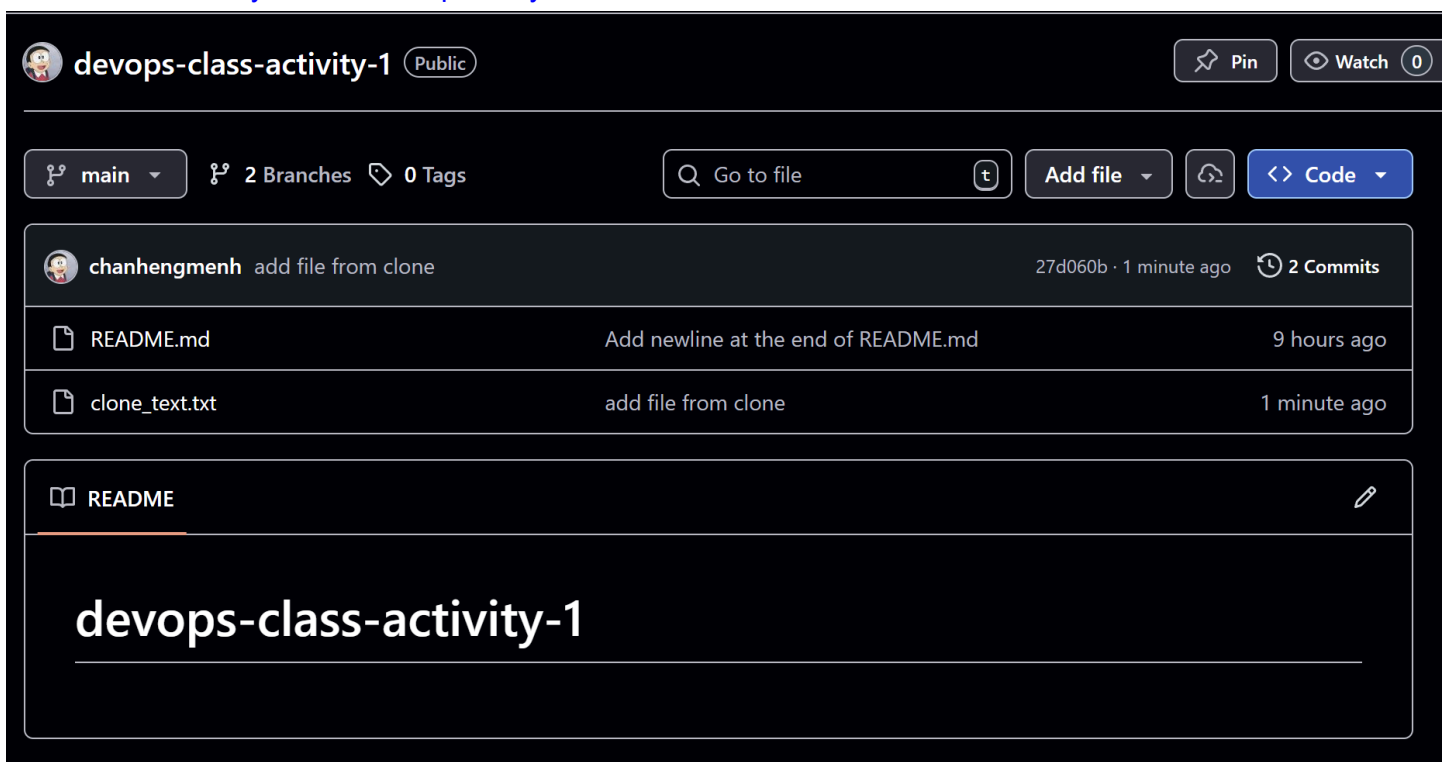**Task 3.2:** Add new files in that Cloned working directory

Task 3.3. Do the needful to transfer your file from working directory to the local repository.

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone> cd .\devops-class-activity-1\
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git add clone_text.txt
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1>
```
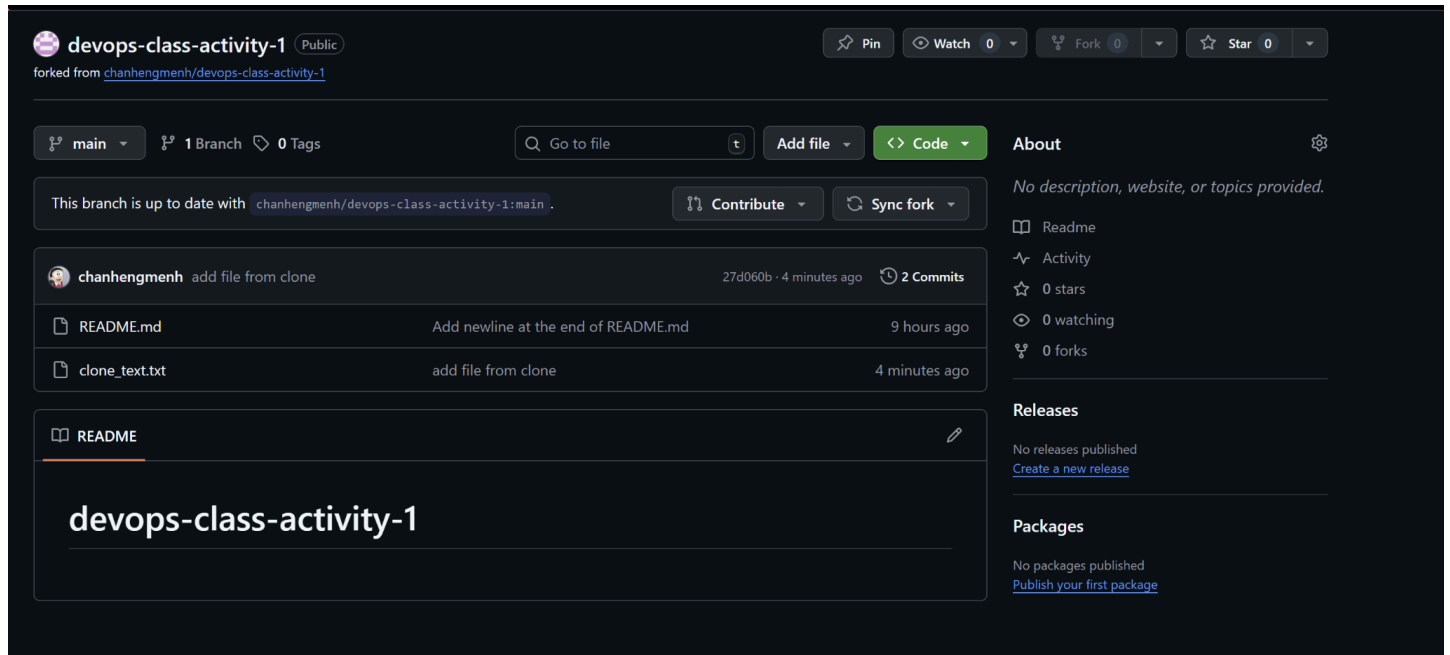
Task 3.4: Push your local repository to the GitHub repository.

```
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git add clone_text.txt
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git commit -m "add file from clone"
[main 27d060b] add file from clone
 1 file changed, 1 insertion(+)
 create mode 100644 clone_text.txt
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 296 bytes | 296.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/chanhengmenh/devops-class-activity-1.git
   7d21d7a..27d060b  main -> main
PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1>
```

Task 3.5: Check in your GitHub repository the new files are added or not. Screenshot
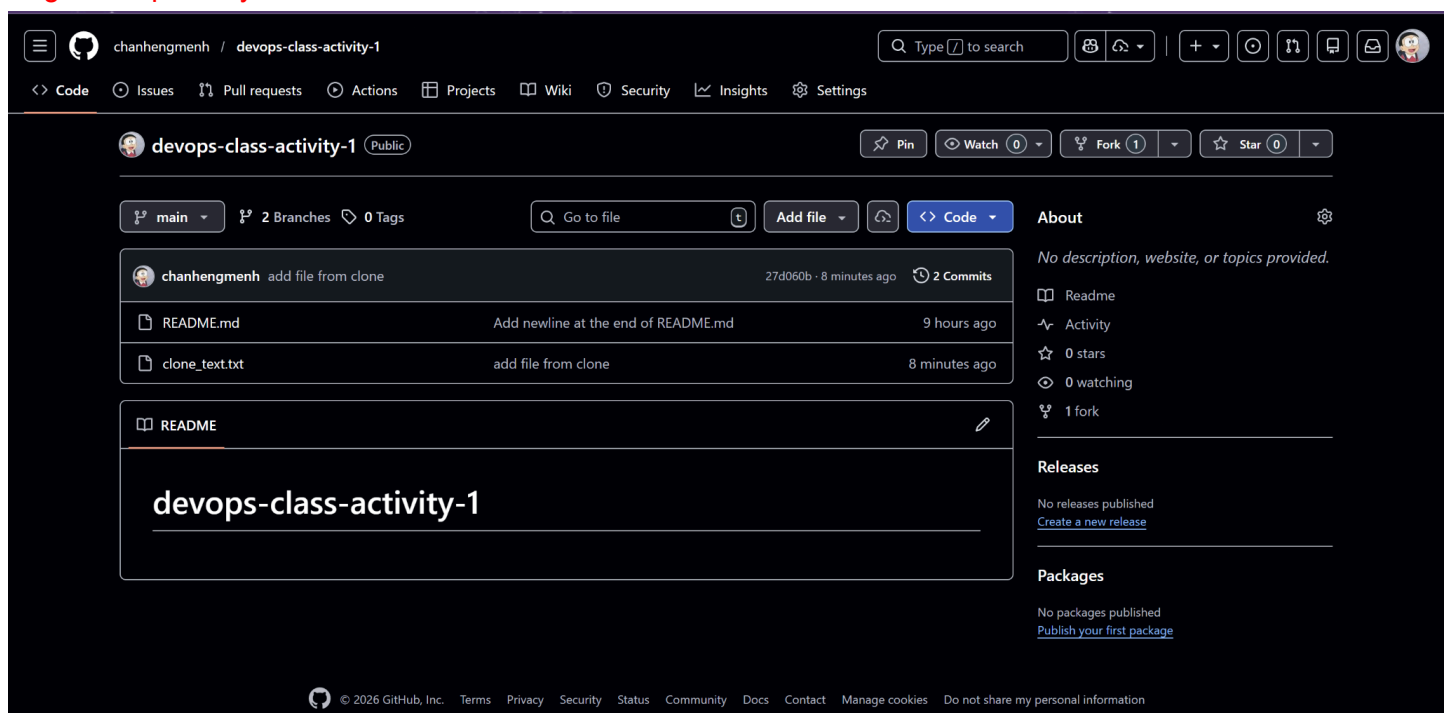
Task 4.1: Copy the same GitHub repository from One Account to the Other Account - Screenshot
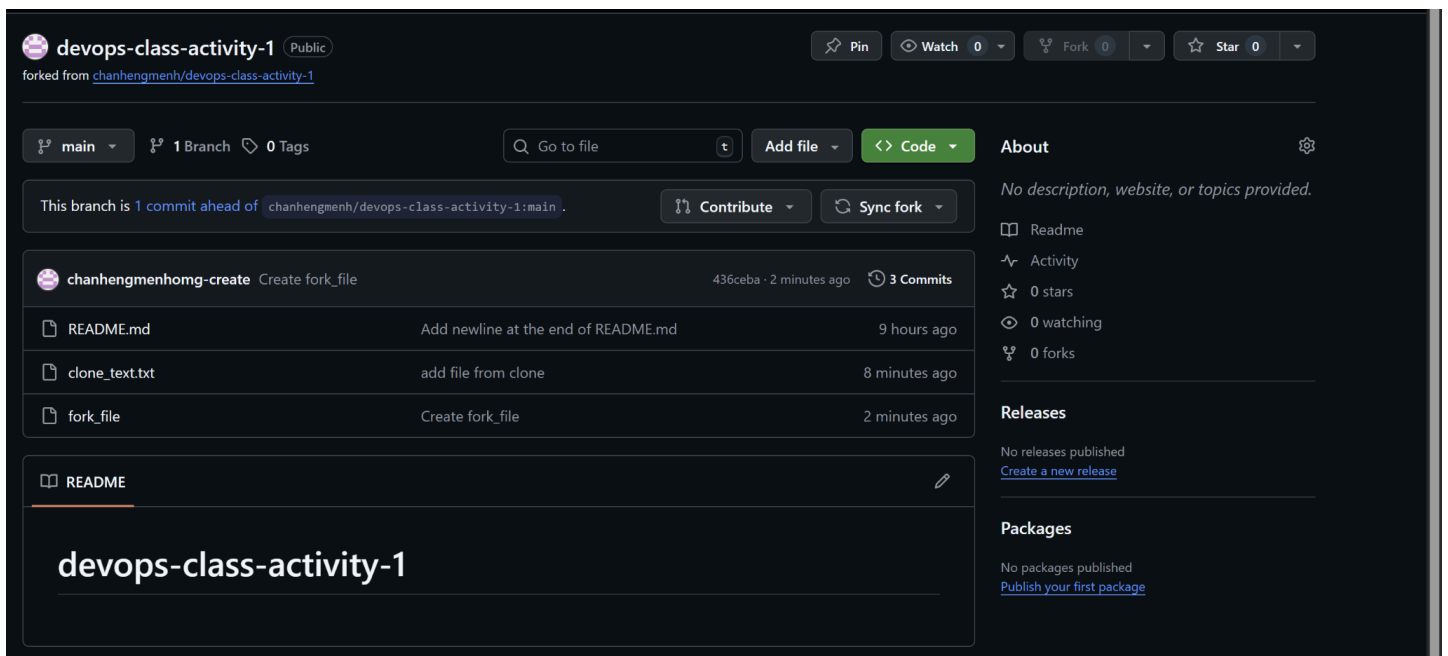

Question 5: After copy if you change, update anything in your copied repository, Is there any effect on the original repository? Answer / Screenshot
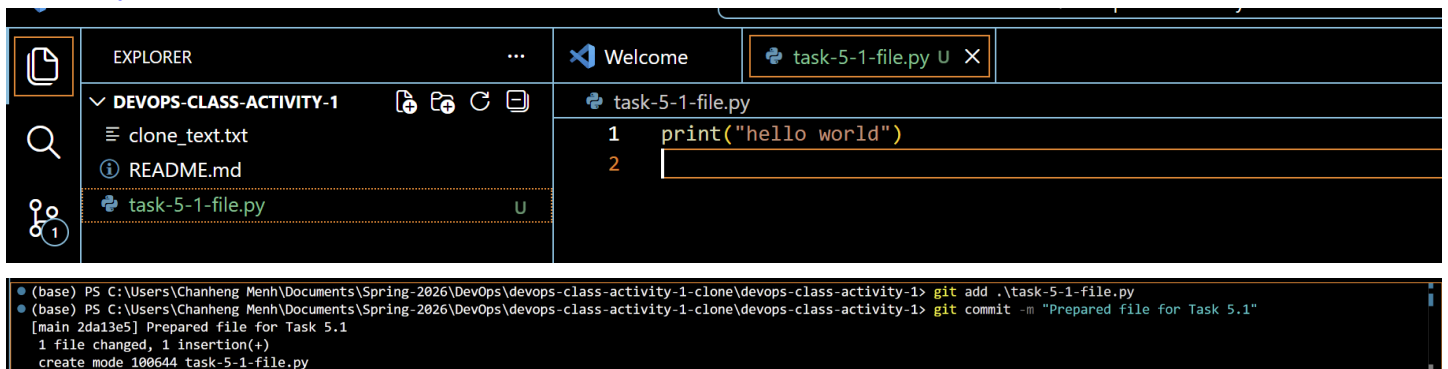
Answer: There is no effect on the original repository because the fork repository is independent.

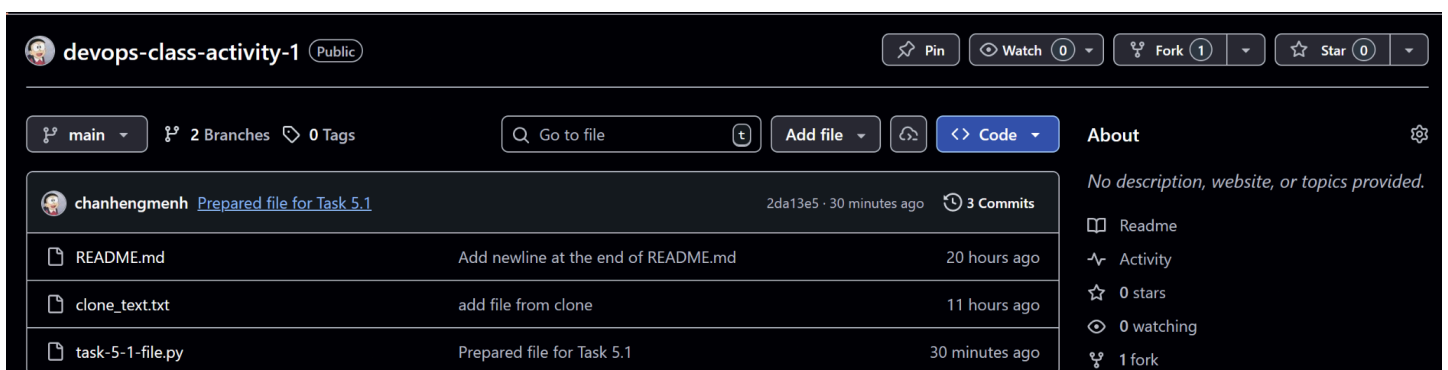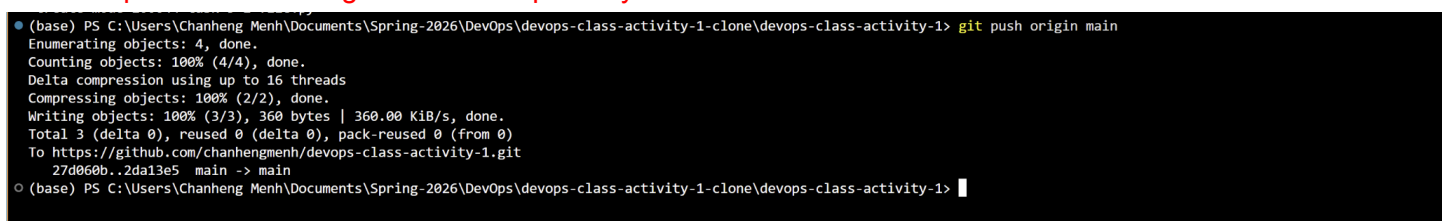Original Repository:

Fork Repository:

Task 5.1: Add 1 new file in your local working directory (previously cloned repository) and shift it to local repository.


```
● (base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git add .\task-5-1-file.py
● (base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git commit -m "Prepared file for Task 5.1"
  [main 2da13e5] Prepared file for Task 5.1
   1 file changed, 1 insertion(+)
   create mode 100644 task-5-1-file.py
```

Question 6: Without changing any configuration, settings, is it possible to push the local repository to the GitHub copied repository? If yes, do it. If no resolve issue and then Push. Answer/Screenshot.

Answer: No, it is not possible to push the local repository to the Github copied repository without changing any configurations or settings.

This one pushed to the original Github repository instead of the forked one.

```
○ (base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git push origin main
  Enumerating objects: 4, done.
  Counting objects: 100% (4/4), done.
  Delta compression using up to 16 threads
  Compressing objects: 100% (2/2), done.
  Writing objects: 100% (3/3), 360 bytes | 360.00 KiB/s, done.
  Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
  To https://github.com/chanhengmenh/devops-class-activity-1.git
     27d060b..2da13e5  main -> main
○ (base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1>
```

devops-class-activity-1 Public

forked from chanhengmenh/devops-class-activity-1

main   1 Branch   0 Tags

Go to file   Add file   <> Code

About

No description, website, or topics provided.

This branch is 1 commit ahead of and 1 commit behind chanhengmenh/devops-class-activity-1:main .

Contribute   Sync fork

Readme
Activity
0 stars
0 watching
0 forks

chanhengmenhomg-create Create fork_file   436ceba · 11 hours ago   3 Commits

README.md   Add newline at the end of README.md   20 hours ago
clone_text.txt   add file from clone   11 hours ago
fork_file   Create fork_file   11 hours ago

Releases

No releases published
Create a new release

README

devops-class-activity-1

Packages

No packages published
Publish your first package

```
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git remote set-url origin https://github.com/chanhengmenhomg-cre
ate/devops-class-activity-1.git
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git push origin main
To https://github.com/chanhengmenhomg-create/devops-class-activity-1.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/chanhengmenhomg-create/devops-class-activity-1.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git pull origin main --allow-unrelated-histories
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 999 bytes | 66.00 KiB/s, done.
From https://github.com/chanhengmenhomg-create/devops-class-activity-1
 * branch            main       -> FETCH_HEAD
 + 2da13e5...436ceba main        -> origin/main  (forced update)
Merge made by the 'ort' strategy.
 fork_file | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 fork_file
```

```
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 352 bytes | 352.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/chanhengmenhomg-create/devops-class-activity-1.git
 ! [remote rejected] main -> main (permission denied)
error: failed to push some refs to 'https://github.com/chanhengmenhomg-create/devops-class-activity-1.git'
```

Use Personal Access Token to solve it:

```
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1> git push https://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@github
.com/chanhengmenhomg-create/devops-class-activity-1.git main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 352 bytes | 176.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/chanhengmenhomg-create/devops-class-activity-1.git
   436ceba..c784957  main -> main
(base) PS C:\Users\Chanheng Menh\Documents\Spring-2026\DevOps\devops-class-activity-1-clone\devops-class-activity-1>
```

<> Code ⑂ Pull requests ⊙ Actions ⊞ Projects 📖 Wiki ⊘ Security 📈 Insights ⚙ Settings

devops-class-activity-1 Public

forked from chanhengmenh/devops-class-activity-1

📌 Pin 👁 Watch 0 ▾ ⑂ Fork 0 ▾ ☆ Star 0 ▾

⑂ main ▾ ⑂ 1 Branch 🏷 0 Tags

🔍 Go to file t Add file ▾ <> Code ▾

This branch is 2 commits ahead of chanhengmenh/devops-class-activity-1:main .

⑂ Contribute ▾ 🔄 Sync fork ▾

👤 chanhengmenh Merge branch 'main' of https://github.com/chanhengmenhomg-create... ⚏ c784957 · 29 minutes ago 🕐 5 Commits

📄 README.md	Add newline at the end of README.md	yesterday
📄 clone_text.txt	add file from clone	12 hours ago
📄 fork_file	Create fork_file	12 hours ago
📄 task-5-1-file.py	Prepared file for Task 5.1	1 hour ago

📖 README ✎

devops-class-activity-1

About
⚙

No description, website, or topics provided.

📖 Readme

∿ Activity

☆ 0 stars

👁 0 watching

⑂ 0 forks

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Languages