

Exercise 4 ASDT GIT

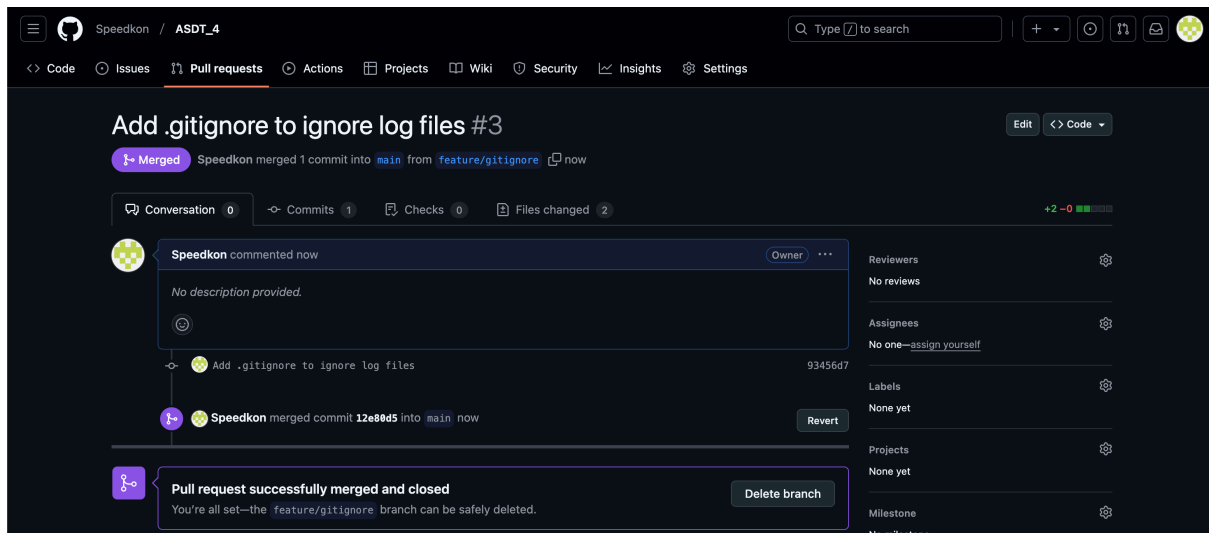
By Kateryna Kononikhina 77610

1. Create a branch called feature/gitignore, Create a new file called out.log, Create a .gitignore file . Add, commit, and push changes.

```
mt@users-MacBook-Air ASDT_4 % git checkout -b feature/gitignore
Switched to a new branch 'feature/gitignore'
mt@users-MacBook-Air ASDT_4 % echo "Temporary log data" > out.log
mt@users-MacBook-Air ASDT_4 % echo "*.log" > .gitignore
mt@users-MacBook-Air ASDT_4 % git add out.log .gitignore
The following paths are ignored by one of your .gitignore files:
out.log
hint: Use -f if you really want to add them.
hint: Disable this message with "git config advice.addIgnoredFile false"
mt@users-MacBook-Air ASDT_4 % git add -f out.log
mt@users-MacBook-Air ASDT_4 % git commit -m "Add .gitignore to ignore log files"
[feature/gitignore 93456d7] Add .gitignore to ignore log files
2 files changed, 2 insertions(+)
create mode 100644 .gitignore
create mode 100644 out.log
```

2. Create a pull request and merge branch feature/gitignore

The screenshot shows a GitHub Pull Request (PR) titled "Add .gitignore to ignore log files #3". The PR is open and ready for review. The main content area shows the commit message "Add .gitignore to ignore log files" and the commit hash "93456d7". The PR is created by "Speedkon" and is targeting the "main" branch. The interface includes a sidebar with navigation links (Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings) and a right-hand panel with settings for reviewers, assignees, labels, projects, milestones, and development. The bottom of the PR shows a "Merge pull request" button and a note about opening the PR in GitHub Desktop or viewing command line instructions.



3. Display the current repo graph using git log

```
mt@users-MacBook-Air ASDT_4 % git log --oneline --graph --all
* 93456d7 (HEAD -> feature/gitignore, origin/feature/gitignore) Add .gitignore to ignore log files
* 879f22d (origin/main, origin/HEAD, main) add REPORT
* f1de4ba Merge pull request #2 from Speedkon/feature/hello_world_asdt
* 4aacc0b (origin/feature/hello_world_asdt, feature/hello_world_asdt) Stash changes: update to 'Hello ASDT world with stashing'
* 297c9bf (refs/stash) WIP on feature/hello_world_asdt: 4e40374 Update hello_world.py to display 'Hello ASDT world'
* ad39fc7 index on feature/hello_world_asdt: 4e40374 Update hello_world.py to display 'Hello ASDT world'
* 4e40374 Update hello_world.py to display 'Hello ASDT world'
* a56b728 Merge pull request #1 from Speedkon/eature/hello_world
* 7df40cf (origin/eature/hello_world, eature/hello_world) Add hello_world.py with 'Hello world' message
* 6b29dc8 Initial commit
```

4. Create a tag for each snapshot

```
mt@users-MacBook-Air ASDT_4 % git tag -a "Hello_world_TAG" -m "Snapshot with Hello world"
mt@users-MacBook-Air ASDT_4 % git tag -a "Hello_ASDT_world_TAG" -m "Snapshot with Hello_ASDT_world"
mt@users-MacBook-Air ASDT_4 % git tag -a "Hello_ASDT_world_with_stashing_TAG" -m "Snapshot with Hello_ASDT_world_with_stashing"
mt@users-MacBook-Air ASDT_4 % git push origin --tags
```

5. Display all repo tags

```
mt@users-MacBook-Air ASDT_4 % git tag
Hello_ASDT_world_TAG
Hello_ASDT_world_with_stashing_TAG
Hello_world_TAG
mt@users-MacBook-Air ASDT_4 %
```

6. Create a new branch from tag Hello ASDT world TAG. Modify the file to display “Hello ASDT world with tagging”.

```
hello_world.py M X
hello_world.py
1 print("Hello ASDT world with tagging")
2
3
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```
mt@users-MacBook-Air ASDT_4 % git checkout -b feature/hello_world_asdt_from_tag "Hello_ASDT_world_TAG"
Switched to a new branch 'feature/hello_world_asdt_from_tag'
```

7. Commit and push changes. Create pull request and merge.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).

base: main ← compare: feature/hello_world_asdt_fro... ✓ Able to merge. These branches can be automatically merged.

Add a title

Update hello.py to display Hello ASDT world with tagging

Add a description

Write Preview H B I

Add your description here...

Markdown is supported Paste, drop, or click to add files

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Development: Use [Closing keywords](#) in the description to automatically close issues

Create pull request

Helpful resources

Speedkon / ASDT_4

<> Code Issues **Pull requests** Actions Projects Wiki Security Insights Settings

Update hello.py to display Hello ASDT world with tagging #4

Merged Speedkon merged 1 commit into `main` from `feature/hello_world_asdt_from_tag` now

Conversation 0 Commits 1 Checks 0 Files changed 1 +2 -1

Speedkon commented now **Owner** ...

No description provided.

Update hello.py to display Hello ASDT world with tagging 15c0e89

Speedkon merged commit 92bad01 into `main` now **Revert**

Pull request successfully merged and closed **Delete branch**

You're all set—the `feature/hello_wo...` branch can be safely deleted.

Reviewers: No reviews

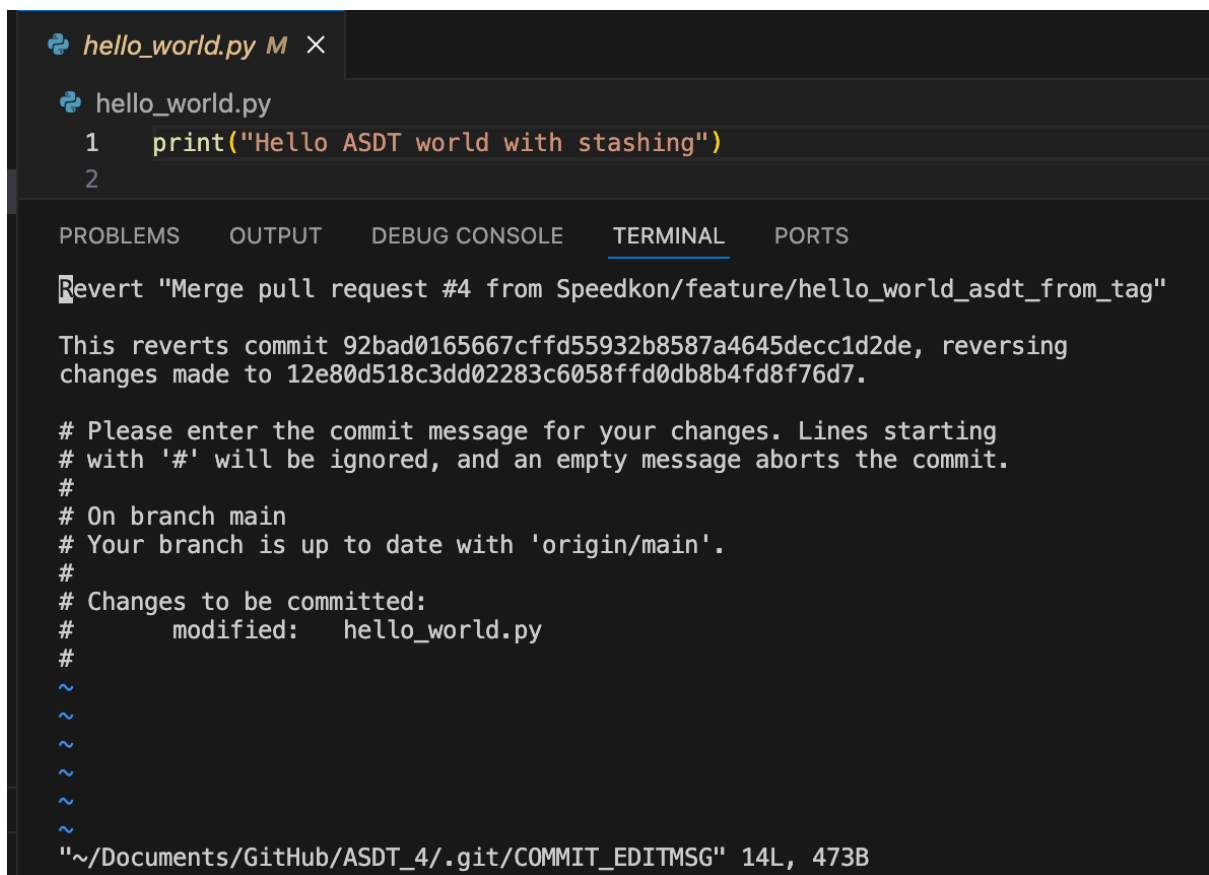
Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

8. Revert the last commit from the main branch.



The screenshot shows a code editor with a file named `hello_world.py` containing two lines of Python code:

```
1 print("Hello ASDT world with stashing")
2
```

Below the code editor is a terminal window with the following output:

```
Revert "Merge pull request #4 from Speedkon/feature/hello_world_asdt_from_tag"

This reverts commit 92bad0165667cffd55932b8587a4645decc1d2de, reversing
changes made to 12e80d518c3dd02283c6058ffd0db8b4fd8f76d7.

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Your branch is up to date with 'origin/main'.
#
# Changes to be committed:
#   modified:   hello_world.py
#
~
~
~
~
~
~
~/Documents/GitHub/ASDT_4/.git/COMMIT_EDITMSG" 14L, 473B
```