

Git Exercises S2218689

1.

- A) Used the git log --all --decorate --oneline --graph, but found that the graph displayed on github online was visually better



- B) The file was last modified Monday 22 August 08.50
C) Git show README.md did not produce anything after doing the git blame README.md, however when we used git log README.md we see the commit message "adding instructions for UML"

```
[redacted] MacBook-Pro:GRA-4152 [redacted]$ git log README.md
commit 0fb7842d8311144c4d1941b8e9d828059e11c500
Author: rogelioandrade <rogelio.a.mancisidor@bi.no>
Date: Mon Aug 22 08:50:07 2022 +0200
```

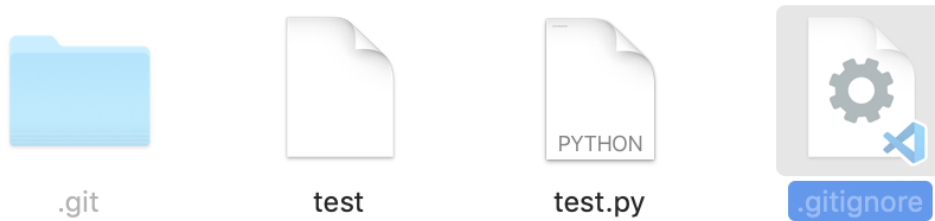
adding instructions for UML

```
commit 20b88515dc1668bed7942359e3ad183f51961f62
Author: rogelioandrade <rogelio.a.mancisidor@bi.no>
Date: Fri Aug 19 08:48:04 2022 +0200
```

initial commit

```
[redacted] MacBook-Pro:GRA-4152 [redacted]$
```

2. created a .gitingore file



3. When I type git stash, I saved a working directory in the downloaded repository. This can be useful if you added small changes to the code and still want the previous code to run like it did up to that point or if you're collaborating on a code and it's ready to be shared with others. The git log --all --oneline shows the previous commits done to repository separated in one line each.

I did stash, commit and stash pop two times since my computer crashed. The first time it merged the stash change and the commit change and both changes were added to the file. However, the second time I got a merge conflict which I learned came from that the changes I made in the code were at the same line. This resulted in that the code produced two lines for each change.

```

MacBook-Pro:my_first_calculator.py [redacted] git stash
Saved working directory and index state WIP on master: a7aabea Merge branch 'master' of https://github.com/AceLewis/my_first_calculator.py
MacBook-Pro:my_first_calculator.py [redacted] git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   generator.py

no changes added to commit (use "git add" and/or "git commit -a")
MacBook-Pro:my_first_calculator.py [redacted] $ git add .
MacBook-Pro:my_first_calculator.py [redacted] git commit -m "test"
[master 5e7f274] test
1 file changed, 1 insertion(+), 1 deletion(-)
MacBook-Pro:my_first_calculator.py [redacted] git stash pop
Auto-merging generator.py
CONFLICT (content): Merge conflict in generator.py
MacBook-Pro:my_first_calculator.py [redacted]

```

4) Created a new branch in class repository and called it my test branch called it my_test_branch, added a comment line in a file, committed the changes and then merged my_test_branch into main

Your branch is up to date with 'origin/my_test_branch'.

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

modified: test

```
MacBook-Pro:progging $ git commit -m "endringer gjort i test"
```

```
[my_test_branch 6d2109d] endringer gjort i test
```

```
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
MacBook-Pro:progging $ git checkout
```

```
Your branch is ahead of 'origin/my_test_branch' by 1 commit.
```

```
(use "git push" to publish your local commits)
```

```
MacBook-Pro:progging $ git checkout master
```

```
error: pathspec 'master' did not match any file(s) known to git
```

```
MacBook-Pro:progging $ git branch
```

```
main
```

```
* my_test_branch
```

```
MacBook-Pro:progging $ git checkout main
```

```
Switched to branch 'main'
```

```
Your branch is up to date with 'origin/main'.
```

```
MacBook-Pro:progging $ git status
```

```
On branch main
```

```
Your branch is up to date with 'origin/main'.
```

```
nothing to commit, working tree clean
```

```
MacBook-Pro:progging $ git merge
```

```
Already up to date.
```

```
MacBook-Pro:progging $ git merge my_test_branch
```

```
Updating 935b063..6d2109d
```

```
Fast-forward
```

```
test | 4 +++-
```

```
1 file changed, 3 insertions(+), 1 deletion(-)
```

```
MacBook-Pro:progging $ git status
```

```
On branch main
```

```
Your branch is ahead of 'origin/main' by 2 commits.
```

```
(use "git push" to publish your local commits)
```

```
nothing to commit, working tree clean
```

```
MacBook-Pro:progging $ git push
```

```
Enumerating objects: 5, done.
```

```
Counting objects: 100% (5/5), done.
```

```
Delta compression using up to 8 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 351 bytes | 351.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0)
```

```
To https://github.com/S2218689/GRA4152.git
```

```
935b063..6d2109d main -> main
```

```
MacBook-Pro:progging $ git status
```

```
On branch main
```

```
Your branch is up to date with 'origin/main'.
```

```
nothing to commit, working tree clean
```

```
MacBook-Pro:progging $ nano test
```

```
MacBook-Pro:progging $
```

```

GRA-4152
MacBook-Pro:KlasseGit [redacted] $ cd GRA-4152
MacBook-Pro:GRA-4152 [redacted] $ git checkout -b pullrequest
Switched to a new branch 'pullrequest'
MacBook-Pro:GRA-4152 [redacted] $ git remote add upsteam https://github.com/BI-DS/GRA-4152.git
MacBook-Pro:GRA-4152 [redacted] $ git status
On branch pullrequest
nothing to commit, working tree clean
MacBook-Pro:GRA-4152 [redacted] $ nano S221889
MacBook-Pro:GRA-4152 [redacted] $ rm S2218689
rm: S2218689: No such file or directory
MacBook-Pro:GRA-4152 [redacted] $ nano S2218689.txt
MacBook-Pro:GRA-4152 [redacted] $ git status
On branch pullrequest
Untracked files:
  (use "git add <file>..." to include in what will be committed)

```

```

S2218689.txt
S221889

```

```

nothing added to commit but untracked files present (use "git add" to track)
MacBook-Pro:GRA-4152 [redacted] $ git add S2218689.txt
MacBook-Pro:GRA-4152 [redacted] $ git commit -m "Pullrequest"
[pullrequest b700770] Pullrequest
1 file changed, 1 insertion(+)
create mode 100644 S2218689.txt
MacBook-Pro:GRA-4152 [redacted] $ git push -u origin pullrequest
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'pullrequest' on GitHub by visiting:
remote:   https://github.com/S2218689/GRA-4152/pull/new/pullrequest

```

5) forked the class repository from the Github site. Cloned the repository locally. Used the git checkout -b to switch to my branch "Pullrequest". used the git remote add upstream to the class repository link. Wrote a text file in the terminal using nano and entered my student id, then saving it as 2218689.txt to make it a text file. Then I pushed it as a pullrequest to the class repository using git push -u origin.