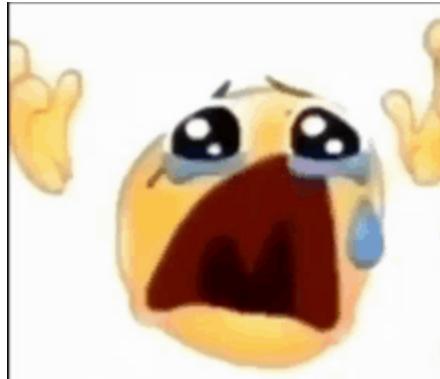


ITMO 2024 Scientific python

HW1 Balan Anna

I'm so sorry for this unclear report but I was running out of time...



Undo the merge:

1. Identify the parent commit of the merge commit by running the following command:

```
git log
```

2. Copy the hash of the parent commit from the output of the log. It should be the commit before the merge commit you want to revert.

3. Revert the merge commit indicating the parent commit to keep:

```
git revert -m 1 <parent_commit_hash>
```

Replace ``<parent_commit_hash>`` with the actual hash of the parent commit identified in step2.

15. Checkout "HW1" and try to merge "testing" into "HW1" again. Have you succeeded? What was expected and what has happened instead? Describe in the report and explain Git's behavior.
- I expected to see it merged, but saw a conflict in the file "test_revert_merge.txt". It looked like this in HW1 branch:

This is a file for testing revert and merge.

<<<<<< HEAD

=====

This is a change.

>>>>>> testing

After rewriting it the merge was done

#Whole terminal code:

```
(base) banana@banana-victus:~$ cd ./Downloads/
(base) banana@banana-victus:~/Downloads$ mkdir SciPyITM02024
(base) banana@banana-victus:~/Downloads$ cd ./SciPyITM02024/
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git clone <https://github.com/Balan666/ITMO_ScientificPython_2024.git>
Cloning into 'ITMO_ScientificPython_2024'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git
```

```

branch -a
fatal: not a git repository (or any of the parent directorie
s): .git
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git
init -b main
Initialized empty Git repository in /home/bananna/Downloads/S
ciPyITM02024/.git/
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git
branch -a
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git
add .
warning: adding embedded git repository: ITMO_ScientificPytho
n_2024
hint: You've added another git repository inside your current
repository.
hint: Clones of the outer repository will not contain the con
tents of
hint: the embedded repository and will not know how to obtain
it.
hint: If you meant to add a submodule, use:
hint:
hint:   git submodule add <url> ITMO_ScientificPython_2024
hint:
hint: If you added this path by mistake, you can remove it fr
om the
hint: index with:
hint:
hint:   git rm --cached ITMO_ScientificPython_2024
hint:
hint: See "git help submodule" for more information.
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ git
branch -a
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ ls
ITMO_ScientificPython_2024
(base) banana@banana-victus:~/Downloads/SciPyITM02024$ cd I
TMO_ScientificPython_2024/

```

```
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ ls
README.md
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ git branch -a
* main
  remotes/origin/HEAD -> origin/main
  remotes/origin/main
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ cd ../../
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ git remote add origin <https://github.com/Balan666/ITMO_ScientificPython_2024.git>
error: remote origin already exists.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ git remote -v
origin <https://github.com/Balan666/ITMO_ScientificPython_2024.git> (fetch)
origin <https://github.com/Balan666/ITMO_ScientificPython_2024.git> (push)
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ git branch HW1
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ git checkout HW1
Switched to branch 'HW1'
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ mkdir HW1
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024$ cd HW1
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ touch hw1.txt test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ touch test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
hw1.txt  test_revert_merge.txt  test_revert.txt
```

```

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano hw1.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert_merge.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add .
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit
Aborting commit due to empty commit message.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/main
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HW1
Username for '<https://github.com>': Balan666
Password for '<https://Balan666@github.com>':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see <https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls> for information on currently recommended modes of authentication.
fatal: Authentication failed for '<https://github.com/Balan666/ITMO_ScientificPython_2024.git/>'
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HW1
Username for '<https://github.com>': annabalan267@gmail.com
Password for '<https://annabalan267@gmail.com>@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see <https://docs.github.com/get-started/getti

```

ng-started-with-git/about-remote-repositories#cloning-with-https-urls> for information on currently recommended modes of authentication.

```
fatal: Authentication failed for '<https://github.com/Balan666/ITMO_ScientificPython_2024.git/>'
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HW1:HW1
```

```
Username for '<https://github.com>': Balan666
```

```
Password for '<https://Balan666@github.com>':
```

```
remote: Support for password authentication was removed on August 13, 2021.
```

```
remote: Please see <https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls> for information on currently recommended modes of authentication.
```

```
fatal: Authentication failed for '<https://github.com/Balan666/ITMO_ScientificPython_2024.git/>'
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git pull
```

```
There is no tracking information for the current branch.
```

```
Please specify which branch you want to merge with.
```

```
See git-pull(1) for details.
```

```
git pull <remote> <branch>
```

If you wish to set tracking information for this branch you can do so with:

```
git branch --set-upstream-to=origin/<branch> HW1
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HEAD
```

```
Username for '<https://github.com>': Balan666
```

```
Password for '<https://Balan666@github.com>':
```

```
remote: Support for password authentication was removed on August 13, 2021.
```

remote: Please see <<https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls>> for information on currently recommended modes of authentication.

fatal: Authentication failed for '<https://github.com/Balan666/ITMO_ScientificPython_2024.git/>'

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git remote remove origin

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git remote add origin <https://github.com/Balan666/ITMO_ScientificPython_2024>

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git push -u origin HEAD

Total 0 (delta 0), reused 0 (delta 0), pack-reused 0

remote:

remote: Create a pull request for 'HW1' on GitHub by visiting:

remote: <https://github.com/Balan666/ITMO_ScientificPython_2024/pull/new/HW1>

remote:

To <https://github.com/Balan666/ITMO_ScientificPython_2024>

* [new branch] HEAD -> HW1

Branch 'HW1' set up to track remote branch 'HW1' from 'origin'.

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git branch -a

* HW1

main

remotes/origin/HW1

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git branch testing

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ nano hw1.txt

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git add hw1.txt

```

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit hw1.txt
Aborting commit due to empty commit message.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit hw1.txt
Aborting commit due to empty commit message.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit hw1.txt
[HW1 5afd5a8] wrote a new line
1 file changed, 2 insertions(+)
create mode 100644 HW1/hw1.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HW1:HW1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 352 bytes | 352.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To <https://github.com/Balan666/ITMO_ScientificPython_2024>
    9e18619..5afd5a8  HW1 -> HW1
Branch 'HW1' set up to track remote branch 'HW1' from 'origin'.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout testing
A   HW1/test_revert.txt
A   HW1/test_revert_merge.txt
Switched to branch 'testing'
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit test_revert.txt
[testing b5be93c] added another line
1 file changed, 2 insertions(+)

```



```

create mode 100644 HW1/test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin testing
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 371 bytes | 371.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'testing' on GitHub by visiting:
remote:      <https://github.com/Balan666/ITMO_ScientificPython_2024/pull/new/testing>
remote:
To <https://github.com/Balan666/ITMO_ScientificPython_2024>
 * [new branch]      testing -> testing
Branch 'testing' set up to track remote branch 'testing' from 'origin'.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin HEAD
Branch 'testing' set up to track remote branch 'testing' from 'origin'.
Everything up-to-date
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
  HW1
  main
* testing
  remotes/origin/HW1
  remotes/origin/testing
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ gitk --all
Command 'gitk' not found, but can be installed with:
sudo apt install gitk
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_

```

```

ScientificPython_2024/HW1$ apt install gitk
[sudo] password for bananna:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  tk tk8.6
Suggested packages:
  git-doc
The following NEW packages will be installed:
  gitk tk tk8.6
0 upgraded, 3 newly installed, 0 to remove and 672 not upgrad
ed.
Need to get 162 kB of archives.
After this operation, 1 890 kB of additional disk space will b
e used.
Do you want to continue? [Y/n] y
Get:1 <http://archive.ubuntu.com/ubuntu> jammy/main amd64 tk
8.6 amd64 8.6.12-1build1 [12,8 kB]
Get:2 <http://archive.ubuntu.com/ubuntu> jammy/main amd64 tk
amd64 8.6.11+1build2 [3 058 B]
Get:3 <http://archive.ubuntu.com/ubuntu> jammy-updates/univer
se amd64 gitk all 1:2.34.1-1ubuntu1.10 [146 kB]
Fetched 162 kB in 1s (181 kB/s)
Selecting previously unselected package tk8.6.
(Reading database ... 406934 files and directories currently
installed.)
Preparing to unpack .../tk8.6_8.6.12-1build1_amd64.deb ...
Unpacking tk8.6 (8.6.12-1build1) ...
Selecting previously unselected package tk.
Preparing to unpack .../tk_8.6.11+1build2_amd64.deb ...
Unpacking tk (8.6.11+1build2) ...
Selecting previously unselected package gitk.
Preparing to unpack .../gitk_1%3a2.34.1-1ubuntu1.10_all.deb
...
Unpacking gitk (1:2.34.1-1ubuntu1.10) ...

```

```

Setting up tk8.6 (8.6.12-1build1) ...
Setting up tk (8.6.11+1build2) ...
Setting up gitk (1:2.34.1-1ubuntu1.10) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for menu (2.1.47ubuntu4) ...
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ apt install gitk
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
gitk is already the newest version (1:2.34.1-1ubuntu1.10).
0 upgraded, 0 newly installed, 0 to remove and 672 not upgraded.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ gitk --all
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout HW1
A   HW1/test_revert_merge.txt
Switched to branch 'HW1'
Your branch is up to date with 'origin/HW1'.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/testing
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/testing
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing

```

Your local changes to the following files would be overwritten by merge:

```
HW1/test_revert_merge.txt(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
```

```
* HW1
  main
  testing
remotes/origin/HW1
remotes/origin/testing
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git fetch
```

```
From <https://github.com/Balan666/ITMO_ScientificPython_2024>
```

```
* [new branch]      main      -> origin/main
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
```

```
hw1.txt  test_revert_merge.txt
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout testing
```

```
A  HW1/test_revert_merge.txt
```

```
Switched to branch 'testing'
```

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

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
```

```
test_revert_merge.txt  test_revert.txt
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout HW1
```

```
A  HW1/test_revert_merge.txt
```

```
Switched to branch 'HW1'
```

```
Your branch is up to date with 'origin/HW1'.
```

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
```

Your local changes to the following files would be overwritten by merge:

```
HW1/test_revert_merge.txt(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
```

```

nch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/main
  remotes/origin/testing
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
hw1.txt  test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ touch test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout testing
error: The following untracked working tree files would be overwritten by checkout:
    HW1/test_revert.txt
Please move or remove them before you switch branches.
Aborting
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit test_revert.txt
[HW1 11df80a] .
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 HW1/test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout testing
A   HW1/test_revert_merge.txt
Switched to branch 'testing'
Your branch is up to date with 'origin/testing'.
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
test_revert_merge.txt  test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ touch hw1.txt

```

```

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add hw1.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit hw1.txt
[testing 69a2585] .
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 HW1/hw1.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout HW1
A HW1/test_revert_merge.txt
Switched to branch 'HW1'
Your branch is ahead of 'origin/HW1' by 1 commit.
(use "git push" to publish your local commits)
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Your local changes to the following files would be overwritten by merge:
HW1/test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Now you have two branches with two different changes to your files. To make both appear in the "HW1" branch, you have to merge branches. Checkout to "HW1" and merge "testing" into "HW1".
Commit and push this change (into the "HW1" branch). Describe your repo state at this point in your report.
Command 'Now' not found, did you mean:
  command 'sow' from deb ruby-hoe (3.22.1+dfsg1-2)
  command 'cow' from deb fl-cow (0.6-4.2)
Try: sudo apt install <deb name>
"HW1": command not found
bash: syntax error near unexpected token `('
bash: syntax error near unexpected token `in'
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Your local changes to the following files would be overwritten by merge:

```

```

n by merge:
  HW1/test_revert_merge.txt(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/main
  remotes/origin/testing
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit
[HW1 771389c] .
  1 file changed, 1 insertion(+)
  create mode 100644 HW1/test_revert_merge.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Auto-merging HW1/hw1.txt
Auto-merging HW1/test_revert.txt
Merge made by the 'ort' strategy.
  HW1/test_revert.txt | 2 ++
  1 file changed, 2 insertions(+)
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$

```

#Undo merge

```

(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git log
commit e3495e9aa0a554ad6d63107b48a5a777e13de624 (HEAD -> HW1)
Merge: 771389c 69a2585
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 23:13:04 2024 +0300

```

```

Merge branch 'testing' into HW1
merge testing into HW1

```

```
commit 771389cf25217a626bc3e245e17a2dbe0abcf30d
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 23:12:55 2024 +0300
```

.

```
commit 69a2585d42f1960cd7aa966c17a8388789bd0428 (testing)
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 23:06:21 2024 +0300
```

.

```
commit 11df80aeb992d9ce9009b328b2d6a8fc2dba6c17
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 23:05:35 2024 +0300
```

.

```
commit b5be93c89e43bf4b1b3101d40ce88728fb6fa567 (origin/testing)
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 22:39:11 2024 +0300
```

added another line

```
commit 5afd5a8a73509bac4821b7bccf206c99e14da58c (origin/HW1)
Author: Balan <annabalannn267@gmail.com>
Date: Tue Mar 5 22:36:50 2024 +0300
```

wrote a new line

```
commit 9e18619160f4fb09aff3e6c68ed5f65b36c85745 (origin/main,
main)
Author: Balan666 <113861516+Balan666@users.noreply.github.com>
```


Date: Tue Mar 5 19:45:41 2024 +0300

Update README.md

wrote the text

commit 0962761136e7132f373be0dab547a0d1df69ce61

Author: Balan666 <113861516+Balan666@users.noreply.github.com>

Date: Tue Mar 5 19:43:25 2024 +0300

Initial commit

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git revert -m 1 e3495e9aa0a554ad6d63107b48a5a777e13de624

[HW1 8d15abe] Revert "Merge branch 'testing' into HW1"

1 file changed, 2 deletions(-)

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git branch -a

* HW1

main

testing

remotes/origin/HW1

remotes/origin/main

remotes/origin/testing

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1\$ git push origin HW1

Enumerating objects: 20, done.

Counting objects: 100% (20/20), done.

Delta compression using up to 12 threads

Compressing objects: 100% (13/13), done.

Writing objects: 100% (15/15), 1.44 KiB | 1.44 MiB/s, done.

Total 15 (delta 3), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (3/3), done.

To https://github.com/Balan666/ITMO_ScientificPython_2024

5afd5a8..8d15abe HW1 -> HW1

```

(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git checkout testing
Switched to branch 'testing'
Your branch is ahead of 'origin/testing' by 1 commit.
    (use "git push" to publish your local commits)
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
hw1.txt  test_revert_merge.txt  test_revert.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano hw1.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
  HW1
  main
* testing
  remotes/origin/HW1
  remotes/origin/main
  remotes/origin/testing
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add .
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit
[testing d2f00f0] .
 1 file changed, 2 insertions(+)
  create mode 100644 HW1/test_revert_merge.txt
(base) banana@banana-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git push -u origin testing
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 429 bytes | 429.00 KiB/s, done.

```

```
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Balan666/ITMO_ScientificPython_2024
   b5be93c..d2f00f0  testing -> testing
Branch 'testing' set up to track remote branch 'testing' from
'origin'.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git checkout HW1
Switched to branch 'HW1'
Your branch is up to date with 'origin/HW1'.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git merge testing
Auto-merging HW1/test_revert_merge.txt
CONFLICT (add/add): Merge conflict in HW1/test_revert_merge.t
xt
Automatic merge failed; fix conflicts and then commit the res
ult.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git ccheckout HW1
git: 'ccheckout' is not a git command. See 'git --help'.
```

The most similar command is
checkout

```
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git checkout HW1
HW1/test_revert_merge.txt: needs merge
error: you need to resolve your current index first
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git add .
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git commit -m none
[HW1 e97e1d2] none
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git reset --merge
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git checkout HW1
Already on 'HW1'
```

```

Your branch is ahead of 'origin/HW1' by 2 commits.
  (use "git push" to publish your local commits)
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ ls
hw1.txt  test_revert_merge.txt  test_revert.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ nano test_revert_merge.txt
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/main
  remotes/origin/testing
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Already up to date.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git branch -a
* HW1
  main
  testing
  remotes/origin/HW1
  remotes/origin/main
  remotes/origin/testing
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git merge testing
Already up to date.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git add .
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_ScientificPython_2024/HW1$ git commit
[HW1 991f65b] .
 1 file changed, 3 deletions(-)
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_

```

```
ScientificPython_2024/HW1$ git push -u origin HW1
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 694 bytes | 694.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local
object.
To https://github.com/Balan666/ITMO_ScientificPython_2024
    8d15abe..991f65b  HW1 -> HW1
Branch 'HW1' set up to track remote branch 'HW1' from 'origi
n'.
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ git push -u origin HEAD
Branch 'HW1' set up to track remote branch 'HW1' from 'origi
n'.
Everything up-to-date
(base) bananna@bananna-victus:~/Downloads/SciPyITM02024/ITMO_
ScientificPython_2024/HW1$ gitk --all
```