

```
cd desktop/ITMO/Scientific_Python
```

```
git clone https://github.com/Zubiriguitar/ITMO_ScientificPython_2024
```

```
cd ITMO_ScientificPython_2024/
```

```
git branch HW1
```

```
git checkout HW1
```

```
mkdir HW1
```

```
git add HW1 #adding directory to be tracked
```

```
<!--adding 3 .txt files to HW1 directory-->
```

```
git status
```

```
<!--On branch HW1
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
HW1/
```

```
hw1.txt
```

```
test_revert.txt
```

```
test_revert_merge.txt
```

```
nothing added to commit but untracked files present (use "git add" to track)-->
```

```
git add -A <!--adding all files in directory-->
```

```
git status
```

<!--On branch HW1

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: HW1/hw1.txt

new file: HW1/test\_revert.txt

new file: HW1/test\_revert\_merge.txt-->

git commit -m 'Commit with original files'

<!--[HW1 cfad9fd] Commit with original files

3 files changed, 3 insertions(+)

create mode 100644 HW1/hw1.txt

create mode 100644 HW1/test\_revert.txt

create mode 100644 HW1/test\_revert\_merge.txt-->

git log

<!--commit cfad9fda191dfd010ac9bb597417a33438318d4f (HEAD -> HW1)

Author: zubiriguitar <ponomarevpavel1995@gmail.com>

Date: Tue Mar 5 19:34:24 2024 +0700

Commit with original files

commit 84354a2e2b7d6ada7e390f22fecc042aa984405f (origin/main, origin/HEAD, main)

Author: Zubiriguitar <64590799+Zubiriguitar@users.noreply.github.com>

Date: Mon Mar 4 18:33:19 2024 +0700

Initial commit-->

git remote add itmo\_sp\_2024 https://github.com/Zubiriguitar/ITMO\_ScientificPython\_2024

git push itmo\_sp\_2024 HW1 -u

<!--Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (6/6), 484 bytes | 484.00 KiB/s, done.

Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To [https://github.com/Zubiriguitar/ITMO\\_ScientificPython\\_2024](https://github.com/Zubiriguitar/ITMO_ScientificPython_2024)

f081c09..e25b878 HW1 -> HW1

branch 'HW1' set up to track 'itmo\_sp\_2024/HW1'.-->

git branch testing

<!--Changing hw1.txt file-->

git add -A

git commit -m "Commit with hw1.txt change"

<!--[HW1 e0553f9] Commit whit hw1.txt change

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

git push itmo\_sp\_2024 -u

<!--Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (4/4), 405 bytes | 405.00 KiB/s, done.

Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To [https://github.com/Zubiriguitar/ITMO\\_ScientificPython\\_2024](https://github.com/Zubiriguitar/ITMO_ScientificPython_2024)

e25b878..e0553f9 HW1 -> HW1

branch 'HW1' set up to track 'itmo\_sp\_2024/HW1'.-->

git checkout testing

<!--Switched to branch 'testing'-->

<!--Changing test\_revert.txt file-->

git add -A

git commit -m "Commit with test\_revert.txt changed"

<!--[testing 4705231] Commit with test\_revert.txt changed

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

git push itmo\_sp\_2024 -u

<!--Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (4/4), 365 bytes | 365.00 KiB/s, done.

Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

remote:

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

remote: [https://github.com/Zubiriguitar/ITMO\\_ScientificPython\\_2024/pull/new/testing](https://github.com/Zubiriguitar/ITMO_ScientificPython_2024/pull/new/testing)

remote:

To [https://github.com/Zubiriguitar/ITMO\\_ScientificPython\\_2024](https://github.com/Zubiriguitar/ITMO_ScientificPython_2024)

\* [new branch] testing -> testing

branch 'testing' set up to track 'itmo\_sp\_2024/testing'.-->

git checkout HW1

<!--Switched to branch 'HW1'

Your branch is up to date with 'itmo\_sp\_2024/HW1'.-->

git merge testing

<!--Merge made by the 'ort' strategy.

HW1/test\_revert.txt | 4 +++-

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

-->

git push itmo\_sp\_2024 -u

<!--Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (3/3), 337 bytes | 337.00 KiB/s, done.

Total 3 (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/Zubiriguitar/ITMO\_ScientificPython\_2024

e0553f9..956f515 HW1 -> HW1

branch 'HW1' set up to track 'itmo\_sp\_2024/HW1'.

-->

<!--Branches merged (testing to HW1). We can see changes in test\_revert.txt.-->

git revert -m 1 HEAD

[HW1 02586c9] Revert "Merge branch 'testing' into HW1"

1 file changed, 1 insertion(+), 3 deletions(-)

git checkout testing

cd HW1

git add test\_revert\_merge.txt

git commit -m 'Before merging with HW1'

<!--[testing 812d5be] Before merging with HW1

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

git push itmo\_sp\_2024 -u

<!--git push itmo\_sp\_2024 -u

Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 401 bytes | 401.00 KiB/s, done.

Total 4 (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/Zubiriguitar/ITMO\_ScientificPython\_2024

57c4d98..812d5be testing -> testing

branch 'testing' set up to track 'itmo\_sp\_2024/testing'.-->

git checkout HW1

<!--Switched to branch 'HW1'

Your branch is ahead of 'itmo\_sp\_2024/HW1' by 1 commit.

(use "git push" to publish your local commits)-->

git merge testing

<!--Merge made by the 'ort' strategy.

HW1/test\_revert\_merge.txt | 4 +++-

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

<!--hw1.txt now is changed, test\_revert.txt is original, test\_revert\_merge is from testing branch (changed)-->

git revert -m 1 HEAD

git checkout testing

git add test\_revert\_merge.txt

git add test\_revert.txt

git commit -m 'All files are correct in testing'

<!--[testing 6528be3] All files are correct in testing

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

git push itmo\_sp\_2024 -u

<!--Enumerating objects: 11, done.

Counting objects: 100% (11/11), done.

Delta compression using up to 8 threads

Compressing objects: 100% (7/7), done.

Writing objects: 100% (8/8), 762 bytes | 762.00 KiB/s, done.

Total 8 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (3/3), completed with 2 local objects.

To [https://github.com/Zubiriguitar/ITMO\\_ScientificPython\\_2024](https://github.com/Zubiriguitar/ITMO_ScientificPython_2024)

812d5be..6528be3 testing -> testing

branch 'testing' set up to track 'itmo\_sp\_2024/testing'.-->

git checkout HW1

<!--Switched to branch 'HW1'

Your branch is ahead of 'itmo\_sp\_2024/HW1' by 3 commits.

(use "git push" to publish your local commits)-->

git push itmo\_sp\_2024 -u

<!--Enumerating objects: 19, done.

Counting objects: 100% (17/17), done.

Delta compression using up to 8 threads

Compressing objects: 100% (9/9), done.

Writing objects: 100% (10/10), 1.13 KiB | 1.13 MiB/s, done.

Total 10 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (2/2), done.

To https://github.com/Zubiriguitar/ITMO\_ScientificPython\_2024

ec0f58b..acef078 HW1 -> HW1

branch 'HW1' set up to track 'itmo\_sp\_2024/HW1'.-->

Success! All files are correct!