**Урок 4. Семинар: Работа с изменениями**

https://github.com/egorchiksv/09\_Web\_layout.git

1. Просмотрите историю коммитов в своём проекте и выберите три случайных коммита. Просмотрите изменения, которые были в них сделаны. Результат до команды log:

git log

commit e47e0afd69bd1accc88e4cdb5baa0f875d484b27 (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:48:37 2024 +0300

added text in 4.txt

commit 36fd6c052c7576d4cd9d188880635ed550a11d33

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:47:09 2024 +0300

deleted 2.txt and 5.txt

commit 67664aa93891f7f7a3212e61bd2a571e349a7d0c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:45:23 2024 +0300

added in file 1.txt textadded in file 1.txt text in 3.txt

commit 43f3352f2066bfba3f266bf473c07525966660df

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:42:56 2024 +0300

added in file 1.txt text

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

created a file 2.txt

commit 24d662123a820ff376d9a92e52872e0e08000126

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:46 2024 +0300

created a file 1.txt

1. Верните эти изменения командой git revert последовательно, чтобы в итоге получилось тоже три коммита.

git revert 36fd6c052c7576d4cd9d188880635ed550a11d33

git log

commit 0d4489f26cdde79b8d4bd7c258285a74b4d697ec (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:51:31 2024 +0300

Revert "deleted 2.txt and 5.txt"

This reverts commit 36fd6c052c7576d4cd9d188880635ed550a11d33.

commit e47e0afd69bd1accc88e4cdb5baa0f875d484b27

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:48:37 2024 +0300

added text in 4.txt

commit 36fd6c052c7576d4cd9d188880635ed550a11d33

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:47:09 2024 +0300

deleted 2.txt and 5.txt

commit 67664aa93891f7f7a3212e61bd2a571e349a7d0c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:45:23 2024 +0300

added in file 1.txt textadded in file 1.txt text in 3.txt

commit 43f3352f2066bfba3f266bf473c07525966660df

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:42:56 2024 +0300

added in file 1.txt text

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

created a file 2.txt

commit 24d662123a820ff376d9a92e52872e0e08000126

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:46 2024 +0300

created a file 1.txt

git revert 67664aa93891f7f7a3212e61bd2a571e349a7d0c

git log

commit 4284cc3ce7bada9b7974506eba0dc1b82fea71e0 (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:52:36 2024 +0300

Revert "added in file 1.txt textadded in file 1.txt text in 3.txt"

This reverts commit 67664aa93891f7f7a3212e61bd2a571e349a7d0c.

commit 0d4489f26cdde79b8d4bd7c258285a74b4d697ec

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:51:31 2024 +0300

Revert "deleted 2.txt and 5.txt"

This reverts commit 36fd6c052c7576d4cd9d188880635ed550a11d33.

commit e47e0afd69bd1accc88e4cdb5baa0f875d484b27

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:48:37 2024 +0300

added text in 4.txt

commit 36fd6c052c7576d4cd9d188880635ed550a11d33

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:47:09 2024 +0300

deleted 2.txt and 5.txt

commit 67664aa93891f7f7a3212e61bd2a571e349a7d0c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:45:23 2024 +0300

added in file 1.txt textadded in file 1.txt text in 3.txt

commit 43f3352f2066bfba3f266bf473c07525966660df

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:42:56 2024 +0300

added in file 1.txt text

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

git revert 70f7245812b2a5d756c1d129debd4d9bf3f7259f

1. Попробуйте отменить эти три коммита:

\* последний — командами git reset --soft и git restore;

\* предпоследний — командой git reset --mixed и git restore;

\* первый — командой git reset --hard.

git resset --soft 43f3352f2066bfba3f266bf473c07525966660df

git restore 1.txt

git status

On branch master

Changes to be committed:

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

modified: 4.txt

deleted: 5.txt

git log

commit 43f3352f2066bfba3f266bf473c07525966660df (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:42:56 2024 +0300

added in file 1.txt text

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

created a file 2.txt

commit 24d662123a820ff376d9a92e52872e0e08000126

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:46 2024 +0300

created a file 1.txt

git reset --mixed 70f7245812b2a5d756c1d129debd4d9bf3f7259f

Unstaged changes after reset:

M 1.txt

M 4.txt

D 5.txt

git restore 5.txt

git log

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

created a file 2.txt

commit 24d662123a820ff376d9a92e52872e0e08000126

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:46 2024 +0300

created a file 1.txt

commit 9bbcd836a9f53f7233ea05fa9c0371b26c42bb4b

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:00:32 2024 +0300

git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: 1.txt

modified: 4.txt

git reset –hard

git log

commit 70f7245812b2a5d756c1d129debd4d9bf3f7259f (HEAD -> master)

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:29 2024 +0300

created a file 5.txt

commit a6792beb3701c3afb41cabc24b96e6a1a132618c

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:20 2024 +0300

created a file 4.txt

commit 7c2a905f46b81622d51bb87453e28ec8c7b3419a

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:41:12 2024 +0300

created a file 3.txt

commit 7e75eab1d0bc3b26db5669026b8ad328644afe6d

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:59 2024 +0300

created a file 2.txt

commit 24d662123a820ff376d9a92e52872e0e08000126

Author: Egor Saratov <npp\_board@mail.ru>

Date: Wed May 15 20:40:46 2024 +0300

created a file 1.txt