

Let's do all trivial steps (1-15) under the curtain. Here the log of all performed operations and the result:

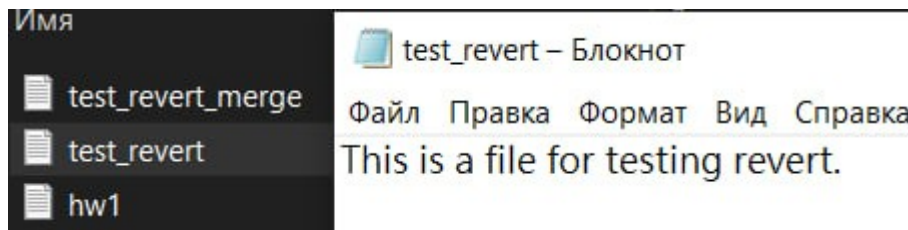
```
cc8c173 (HEAD -> HW1, origin/HW1) HEAD@{0}: revert: Revert "Merge branch 'testing' into HW1"
60b9ed4 HEAD@{1}: merge testing: Merge made by the 'ort' strategy.
5bcceb3 HEAD@{2}: checkout: moving from testing to HW1
d0cd08e HEAD@{3}: commit: changes in testing_revert_merge
81b2fb3 HEAD@{4}: checkout: moving from HW1 to testing
5bcceb3 HEAD@{5}: revert: Revert "Merge branch 'testing' into HW1"
7ef3278 HEAD@{6}: merge testing: Merge made by the 'ort' strategy.
7aa66fa HEAD@{7}: checkout: moving from testing to HW1
81b2fb3 HEAD@{8}: commit: change in testing_revert
5d0d2ef HEAD@{9}: checkout: moving from HW1 to testing
7aa66fa HEAD@{10}: commit: change in hw1
5d0d2ef HEAD@{11}: commit: create HW1 folder with 3 txt files
7acff34a (origin/master, origin/HEAD, master) HEAD@{12}: checkout: moving from master to HW1
7acff34a (origin/master, origin/HEAD, master) HEAD@{13}: clone: from https://github.com/slendersold/ITMO_ScientificPython_2024.git
```

Pic 1. Output of git relog (history of actions)

```
* cc8c173 (HEAD -> HW1, origin/HW1) Revert "Revert "Merge branch 'testing' into HW1"
* 60b9ed4 Merge branch 'testing' into HW1
| \
| * d0cd08e changes in testing_revert_merge
* | 5bcceb3 Revert "Merge branch 'testing' into HW1"
* | 7ef3278 Merge branch 'testing' into HW1
| \
| * 81b2fb3 change in testing_revert
* | 7aa66fa change in hw1
| /
* 5d0d2ef create HW1 folder with 3 txt files
* 7acff34a (origin/master, origin/HEAD, master) Initial commit
```

Pic 2. Output of git log --all --decorate --oneline --graph (graph of commits)

At stage 16 after first revert and second merge git thinks that it is needed only to add recent commit which affects only third file



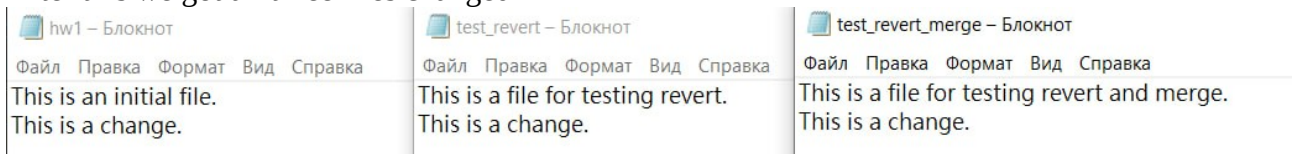
Pic 3. Problem

According to a documentation

<https://mirrors.edge.kernel.org/pub/software/scm/git/docs/howto/revert-a-faulty-merge.txt> to deal with this problem we need to revert the revert (commit 7ef3278)

\$> git revert -m 1 5bcceb3

After this we got all three files changed



Pic 4. Results

hw1.txt	change in hw1	21 minutes ago
test_revert.txt	Revert "Revert "Merge branch 'testing' into HW1"	10 minutes ago
test_revert_merge.txt	changes in testing_revert_merge	14 minutes ago

Pic 5. Last commit of each file