Git clone https://github.com/KateVol99/ITMO_ScientificPython_2024.git

Git checkout -b HW1

Mkdir HW1

Cd HW1

Touch hw1.txt

Touch revert.txt

Touch revert_merge.txt

Echo "This is an initial file." > hw1.txt

Echo "This is a file for testing revert." > test_revert.txt

Echo "This is a file for testing revert and merge." > test_revert_merge.txt

Git add hw1.txt

Git add test_revert.txt

Git add test_revert_merge.txt

Git commit -m "Adding changes to files"

Git push -u origin HW1

Git branch testing

Echo "This is an initial file. This is a change." > hw1.txt

Git add hw1.txt

Git commit -m "Changed hw1.txt"

Git push -u origin HW1

Git checkout testing

Echo "This is a file for testing revert. This is a change." > test_revert.txt

Git add test_revert.txt

Git commit -m "Changed test_revert.txt"

Git push -u origin testing

Git checkout HW1

Git merge testing

Git push –u origin HW1

(11) There are 2 merged branches in the ITMO_ScientificPython_2024 repository: HW1 and testing.

HW1 contains 3 files: hw1.txt, test_revert.txt, test_revert_merge.txt. Contents of hw1.txt in HW1: This isan initial file. This is a change. Contents of the file test_revert.txt : This is a file for testing revert. This is a change. Contents of the file test_revert_merge.txt : This is a file for testing revert and merge.

The testing content contains 3 files: hw1.txt, test_revert.txt, test_revert_merge.txt. Contents of hw1.txt in testing: This is an initial file. Contents of the file test_revert.txt : This is a file for testing revert. This is a change. Contents of the file test_revert_merge.txt : This is a file for testing revert and merge.

Git log

Git revert -m 1 847408116c8bc1721a9b5c85953676d5180bde2b

Git checkout testing

Echo "This is a file for testing revert and merge. This is a change." > test_revert_merge.txt

Git add test_revert_merge.txt

Git commit -m "Changed test_revert_merge.txt"

Git push -u origin testing

Git checkout HW1

(15) git merge testing
During the merge thread the following message was displayed: Автослияние HW1/hw1.txt КОНФЛИКТ (содержимое): Конфликт слияния в HW1/hw1.txt Сбой автоматического слияния; исправьте конфликты, затем зафиксируйте результат.

Git revert testing

I corrected the errors in the file manually

Git branch -d testing

Git push -u origin --delete testing