

## Zadanie 1:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents
$ mkdir repo1

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents
$ cd repo1

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1
$ echo "Ała ma kota." > plik1.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1
$ echo "Kot ma Ałe." > plik2.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1
$ ls -l
total 2
-rw-r--r-- 1 Patryk 197121 13 Jan 28 18:53 plik1.txt
-rw-r--r-- 1 Patryk 197121 12 Jan 28 18:53 plik2.txt
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1
$ git init
Initialized empty Git repository in C:/Users/Patryk/Documents/repo1/.git/

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    plik1.txt
    plik2.txt

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

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git add .
warning: in the working copy of 'plik1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'plik2.txt', LF will be replaced by CRLF the next time Git touches it

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   plik1.txt
    new file:   plik2.txt
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git commit -m "Dodanie dwóch plików tekstowych."
[master (root-commit) 42d41e3] Dodanie dwóch plików tekstowych.
 2 files changed, 2 insertions(+)
 create mode 100644 plik1.txt
 create mode 100644 plik2.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

## Zadanie 2:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ vim plik1.txt
```

```
MINGW64:/c/Users/Patryk/Documents/repo1
Ala ma kota.

Ala have a cat.
~
~
plik1.txt [unix] (18:59 28/01/2024) 3,15 All
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ 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:   plik1.txt

no changes added to commit (use "git add" and/or "git commit -a")

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ vim plik2.txt
```

```
MINGW64:/c/Users/Patryk/Documents/repo1
Kot ma Ale.

Cat have an Ala.
~
~
~
plik2.txt [unix] (19:05 28/01/2024) 3,16 All
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git diff plik1.txt
warning: in the working copy of 'plik1.txt', LF will be replaced by CRLF the next time Git touches it
diff --git a/plik1.txt b/plik1.txt
index 6cf8f03..4219fcd 100644
--- a/plik1.txt
+++ b/plik1.txt
@@ -1,3 @@
-Ala ma kota.
+Ala have a cat.
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git add .
warning: in the working copy of 'plik1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'plik2.txt', LF will be replaced by CRLF the next time Git touches it

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git commit -m "Wprowadzono zmiany w obu plikach."
[master a763589] Wprowadzono zmiany w obu plikach.
 2 files changed, 4 insertions(+)

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git log
commit a763589c1cbe4e47a59ed32f045e1b2d92e5f70e (HEAD -> master)
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 19:09:52 2024 +0100

    Wprowadzono zmiany w obu plikach.

commit 42d41e34e46bbcb8cb96483ee33406032fe61366
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 18:56:48 2024 +0100

    Dodanie dwóch plików tekstowych.
```

### Zadanie 3:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ cd ..

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents
$ git clone repo1 repo2
Cloning into 'repo2'...
done.

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents
$ cd repo2

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ ls -l
total 2
-rw-r--r-- 1 Patryk 197121 33 Jan 28 19:13 plik1.txt
-rw-r--r-- 1 Patryk 197121 33 Jan 28 19:13 plik2.txt
```

### Zadanie 4:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ rm plik2.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ mv plik1.txt plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    plik1.txt
        deleted:    plik2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        plik_jeden.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git add .

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git commit -m "Usunięcie pliku plik2.txt, oraz zmiana nazwy z plik1.txt na plik_jeden.txt"
[master f8d4623] Usunięcie pliku plik2.txt, oraz zmiana nazwy z plik1.txt na plik_jeden.txt
2 files changed, 3 deletions(-)
delete mode 100644 plik2.txt
rename plik1.txt => plik_jeden.txt (100%)

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git log --name-status
commit f8d4623395fd67293ceaec3e333b33e60522559e (HEAD -> master)
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 19:29:50 2024 +0100

    Usunięcie pliku plik2.txt, oraz zmiana nazwy z plik1.txt na plik_jeden.txt
D       plik2.txt
R100    plik1.txt      plik_jeden.txt

commit a763589c1cbe4e47a59ed32f045e1b2d92e5f70e (origin/master, origin/HEAD)
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 19:09:52 2024 +0100

    Wprowadzono zmiany w obu plikach.
M       plik1.txt
M       plik2.txt

commit 42d41e34e46bbcb8cb96483ee33406032fe61366
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 18:56:48 2024 +0100

    Dodanie dwóch plików tekstowych.
A       plik1.txt
A       plik2.txt
```

## Zadanie 5:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ cd ..

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents
$ cd repo1

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git pull ../repo2 master
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (2/2), 264 bytes | 52.00 KiB/s, done.
From ../repo2
 * branch                master      -> FETCH_HEAD
Updating a763589..f8d4623
Fast-forward
 plik2.txt                | 3 ---
 plik1.txt => plik_jeden.txt | 0
 2 files changed, 3 deletions(-)
 delete mode 100644 plik2.txt
 rename plik1.txt => plik_jeden.txt (100%)

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ ls -l
total 1
-rw-r--r-- 1 Patryk 197121 33 Jan 28 19:32 plik_jeden.txt
```

## Zadanie 6:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ echo "Zmiana w katalogu repo1" >> plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
  add

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git add .
warning: in the working copy of 'plik_jeden.txt', LF will be replaced by CRLF the next time Git touches it

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git commit -m "Zmiana w repo1."
[master 5128679] Zmiana w repo1.
1 file changed, 1 insertion(+)

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ cd ../repo2

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ ls
plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ echo "Zmiana w katalogu repo2" >> plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git add .
warning: in the working copy of 'plik_jeden.txt', LF will be replaced by CRLF the next time Git touches it

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git commit -m "Zmiana w repo2."
[master 7d0fea5] Zmiana w repo2.
1 file changed, 1 insertion(+)

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ cd ../repo1

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git pull ../repo2 master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 282 bytes | 40.00 KiB/s, done.
From ../repo2
* branch      master      -> FETCH_HEAD
Auto-merging plik_jeden.txt
CONFLICT (content): Merge conflict in plik_jeden.txt
error: could not apply 5128679... Zmiana w repo1.
hint: Resolve all conflicts manually, mark them as resolved with
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".
Could not apply 5128679... Zmiana w repo1.

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ vim plik_jeden.txt

```

```

MINGW64:/c/Users/Patryk/Documents/repo1
Ala ma kota.

Ala have a cat.
<<<<<< HEAD
Zmiana w katalogu repo2
=====
Zmiana w katalogu repo1
>>>>>> 5128679 (Zmiana w repo1.)
~
~
plik_jeden.txt [dos] (19:57 28/01/2024) 1,1 All

```

```

MINGW64:/c/Users/Patryk/Documents/repo1
Ala ma kota.

Ala have a cat|.
~
~
~
~
~
plik_jeden.txt [dos] (20:00 28/01/2024) 3,15 All
"plik_jeden.txt" [dos] 3L, 33B written

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ vim plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ git add plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ git commit -m "Rozwiązanie konfliktu w katalogu repo1."
[detached HEAD 85de3bc] Rozwiązanie konfliktu w katalogu repo1.
1 file changed, 1 deletion(-)

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ cd ../repo2

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master)
$ git pull ../repo1 master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 284 bytes | 40.00 KiB/s, done.
From ../repo1
* branch      master      -> FETCH_HEAD
Auto-merging plik_jeden.txt
CONFLICT (content): Merge conflict in plik_jeden.txt
error: could not apply 7d0fea5... Zmiana w repo2.
hint: Resolve all conflicts manually, mark them as resolved with
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".
Could not apply 7d0fea5... Zmiana w repo2.

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ vim plik_jeden.txt

```

```

MINGW64:/c/Users/Patryk/Documents/repo2
Ala ma kota.

Ala have a cat.
<<<<<< HEAD
Zmiana w katalogu repo1
=====
Zmiana w katalogu repo2
>>>>>> 7d0fea5 (Zmiana w repo2.)
~
~
~
plik_jeden.txt [dos] (20:14 28/01/2024) 1,1 All

```

```

MINGW64:/c/Users/Patryk/Documents/repo2
Ala ma kota.

Ala have a cat.
~
~
~
~
~
~
~
plik_jeden.txt [dos] (20:15 28/01/2024) 3,15 All
"plik_jeden.txt" [dos] 3L, 33B written

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git add plik_jeden.txt

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git commit -m "Rozwiązanie konfliktu w katalogu repo2."
[detached HEAD ceaac5c] Rozwiązanie konfliktu w katalogu repo2.
1 file changed, 1 deletion(-)

```

```

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git log --graph --oneline --all
* ceaac5c (HEAD) Rozwiązanie konfliktu w katalogu repo2.
* 5128679 Zmiana w repo1.
| * 7d0fea5 (master) Zmiana w repo2.
|/
* f8d4623 Usunięcie pliku plik2.txt, oraz zmiana nazwy z plik1.txt na plik_jeden.txt
* a763589 (origin/master, origin/HEAD) Wprowadzono zmiany w obu plikach.
* 42d41e3 Dodanie dwóch plików tekstowych.

```

## Zadanie 7:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ cd ../repo1

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ git reset --hard HEAD
HEAD is now at 85de3bc Rozwiązanie konfliktu w katalogu repo1.

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ git status
interactive rebase in progress; onto 7d0fea5
Last command done (1 command done):
  pick 5128679 Zmiana w repo1.
No commands remaining.
You are currently editing a commit while rebasing branch 'master' on '7d0fea5'.
  (use "git commit --amend" to amend the current commit)
  (use "git rebase --continue" once you are satisfied with your changes)

nothing to commit, working tree clean
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ cat plik_jeden.txt
Ala ma kota.

Ala have a cat.

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master|REBASE 1/1)
$ git rebase --continue
Successfully rebased and updated refs/heads/master.
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

## Zadanie 8:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git show 7d0fea5:plik_jeden.txt
Ala ma kota.

Ala have a cat.
Zmiana w katalogu repo2
```

## Zadanie 9:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git diff 7d0fea5 plik_jeden.txt
diff --git a/plik_jeden.txt b/plik_jeden.txt
index 3b33636..4219fcd 100644
--- a/plik_jeden.txt
+++ b/plik_jeden.txt
@@ -1,4 +1,3 @@
  Ala ma kota.

  Ala have a cat.
-Zmiana w katalogu repo2
```

## Zadanie 10:

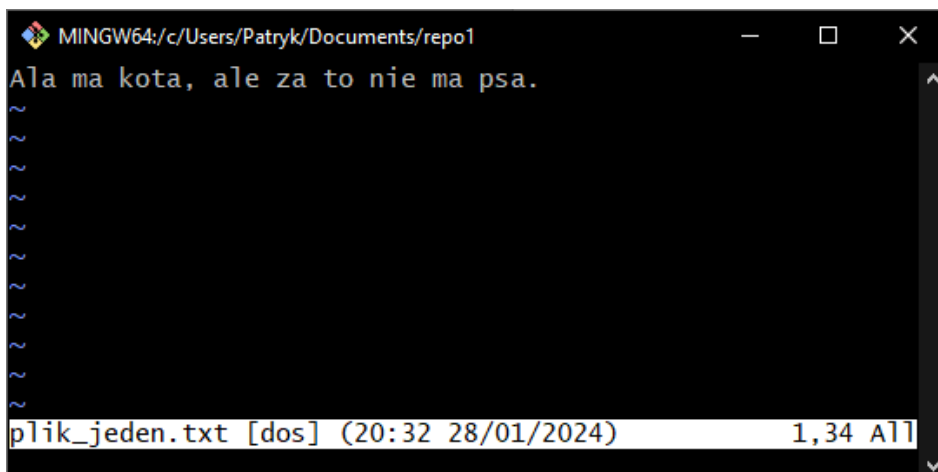
```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git branch test

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git checkout test
Switched to branch 'test'

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (test)
$ vim plik_jeden.txt
```



A screenshot of a text editor window titled 'MINGW64:/c/Users/Patryk/Documents/repo1'. The window shows the content of 'plik\_jeden.txt' with the following text: 'Ala ma kota.', 'Ala have a cat.', followed by several tilde (~) characters representing line breaks. The status bar at the bottom indicates 'plik\_jeden.txt [dos] (20:01 28/01/2024)' and '3,15 All'.



A screenshot of a text editor window titled 'MINGW64:/c/Users/Patryk/Documents/repo1'. The window shows the updated content of 'plik\_jeden.txt' with the following text: 'Ala ma kota, ale za to nie ma psa.', followed by several tilde (~) characters. The status bar at the bottom indicates 'plik\_jeden.txt [dos] (20:32 28/01/2024)' and '1,34 All'.

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (test)
$ git add .

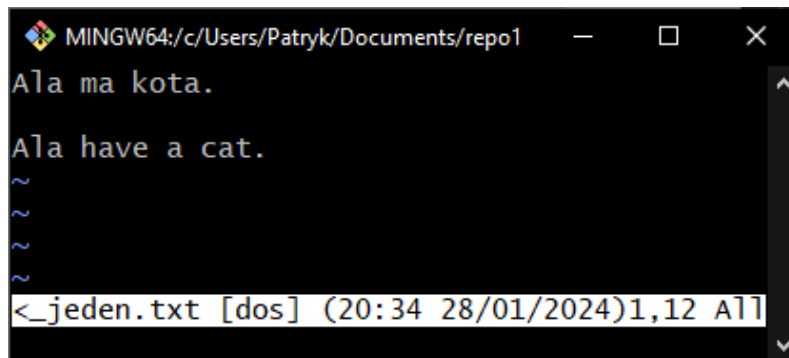
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (test)
$ git commit -m "Testowanie nowego brancha."
[test b67f9f1] Testowanie nowego brancha.
1 file changed, 1 insertion(+), 3 deletions(-)

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (test)
$ git branch
  master
* test
```



```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (test)
$ git checkout master
Switched to branch 'master'

Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ vim plik_jeden.txt
```



A screenshot of a Windows Notepad window titled "MINGW64:/c:/Users/Patryk/Documents/repo1". The window contains the following text:

```
Ala ma kota.
Ala have a cat.
~
~
~
~
<_jeden.txt [dos] (20:34 28/01/2024)1,12 All
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

## Zadanie 11:

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git remote add repo1 ../repo1
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git fetch repo1
From ../repo1
* [new branch]      master    -> repo1/master
* [new branch]      test      -> repo1/test
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git checkout -b test repo1/master
Warning: you are leaving 2 commits behind, not connected to
any of your branches:
```

```
    ceaac5c Rozwiązanie konfliktu w katalogu repo2.
    5128679 Zmiana w repo1.
```

If you want to keep them by creating a new branch, this may be a good time to do so with:

```
git branch <new-branch-name> ceaac5c
```

```
Switched to a new branch 'test'
branch 'test' set up to track 'repo1/master'.
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git status
On branch test
Your branch is up to date with 'repo1/master'.

Last command done (1 command done):
  pick 7d0fea5 Zmiana w repo2.
No commands remaining.
You are currently editing a commit while rebasing branch 'master' on '5128679'.
  (use "git commit --amend" to amend the current commit)
  (use "git rebase --continue" once you are satisfied with your changes)
```

nothing to commit, working tree clean

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git branch
  master
* test
```

```
Patryk@DESKTOP-N182TCQ MINGW64 ~/Documents/repo2 (master|REBASE 1/1)
$ git log -n 2
commit 85de3bc831f42c0e4bb04929566b9e552be5c7ba (HEAD -> test, repo1/master)
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 20:01:45 2024 +0100
```

Rozwiązanie konfliktu w katalogu repo1.

```
commit 7d0fea5c247714ee31b1387e15a189114cca29e4 (master)
Author: Patryk <patrykos138@gmail.com>
Date:   Sun Jan 28 19:56:30 2024 +0100
```

Zmiana w repo2.