

Zadanie 1.

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb (main)
$ mkdir repo1

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb (main)
$ cd repo1

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (main)
$ echo test1 >> plik1.txt

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (main)
$ echo test2 >> plik2.txt

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (main)
$ ls
plik1.txt  plik2.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (main)
$ git init
Initialized empty Git repository in C:/Users/filip/OneDrive/Pulpit/WSB/repo1/.git/

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/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)
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/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

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ git status
On branch master

No commits yet

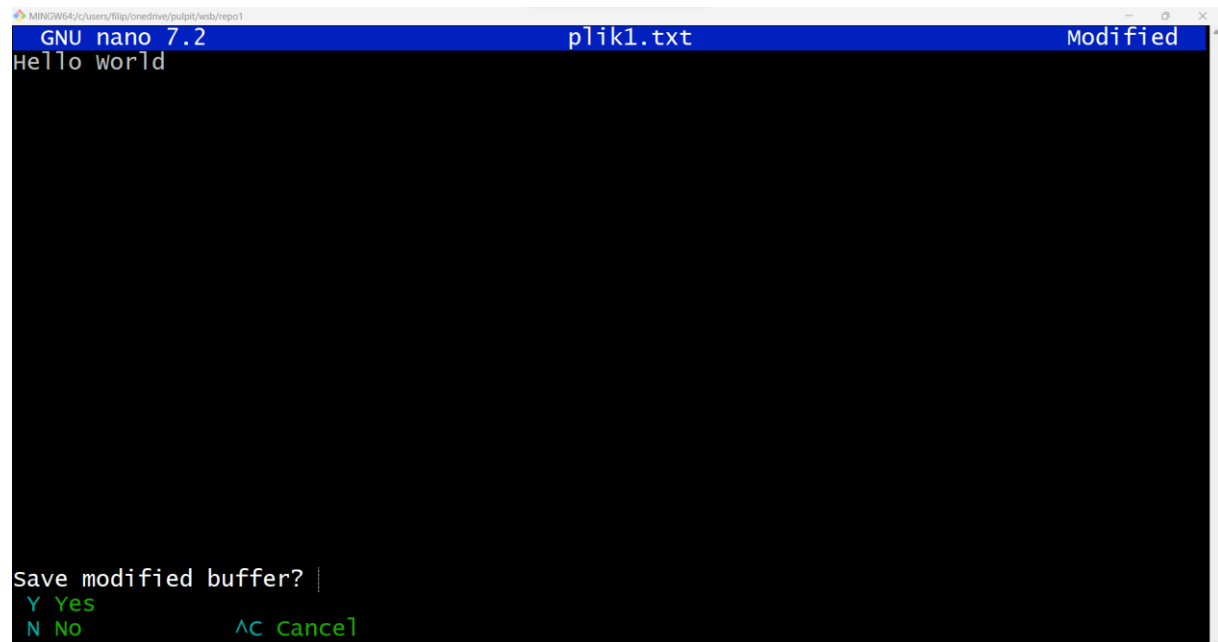
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   plik1.txt
    new file:   plik2.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ git commit -m "First commit"
[master (root-commit) b2a11f5] First commit
2 files changed, 2 insertions(+)
create mode 100644 plik1.txt
create mode 100644 plik2.txt

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Zadanie 2.

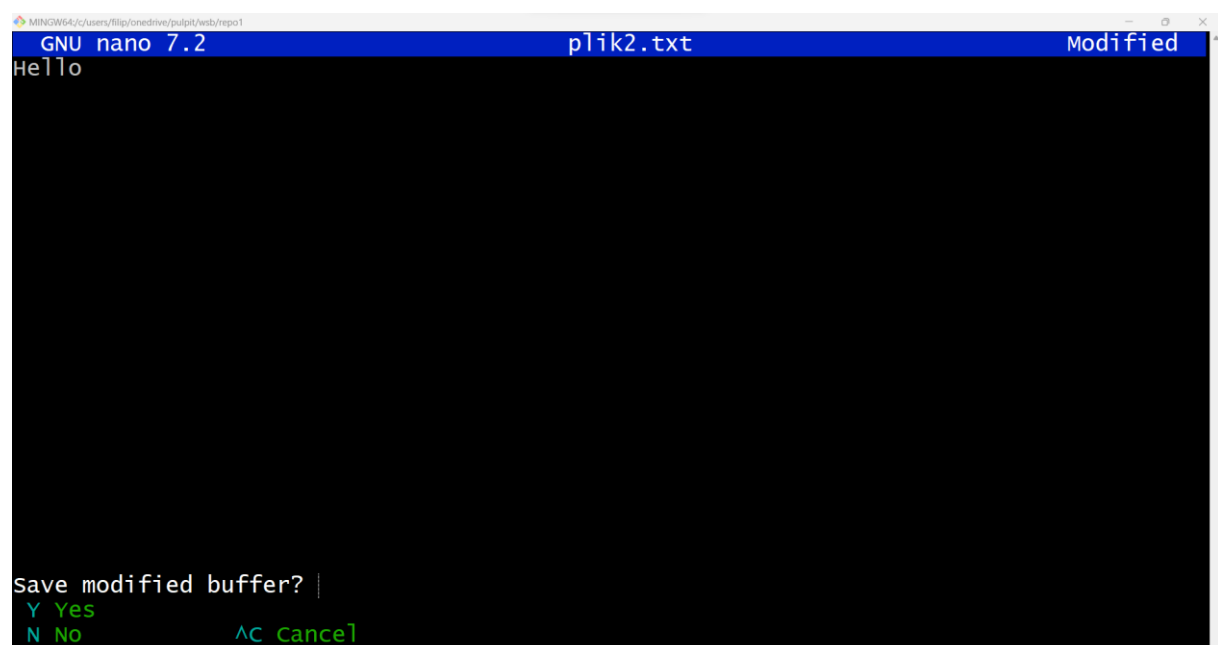
```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ nano plik1.txt
```



The screenshot shows the nano text editor interface. The title bar indicates the file is 'plik1.txt' and it has been 'Modified'. The editor content shows 'Hello world' on the first line. At the bottom, a prompt asks 'Save modified buffer?' with options 'Y Yes', 'N No', and '^C Cancel'.

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/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")
```



The screenshot shows the nano text editor interface for a new file 'plik2.txt'. The title bar indicates the file is 'plik2.txt' and it has been 'Modified'. The editor content shows 'Hello' on the first line. At the bottom, a prompt asks 'Save modified buffer?' with options 'Y Yes', 'N No', and '^C Cancel'.

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ git diff plik2.txt
warning: in the working copy of 'plik2.txt', LF will be replaced by CRLF the next time
Git touches it
diff --git a/plik2.txt b/plik2.txt
index 180cf83..e965047 100644
--- a/plik2.txt
+++ b/plik2.txt
@@ -1,1 @@
-test2
+Hello
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/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

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo1 (master)
$ git commit -m "Small Changes"
[master 4c24f97] Small Changes
2 files changed, 2 insertions(+), 2 deletions(-)
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git log
commit 1a963940451753f013c79e270b7e56bb336dd79e (HEAD -> master)
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:54:01 2023 +0100

    Small Changes

commit 477d60648b0df44efb000bf18144bad3ee8067d3
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:51:20 2023 +0100

    First commit
```

Zadanie 3.

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb (main)
$ git clone repo1 repo2
Cloning into 'repo2'...
done.

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb (main)
$ cd repo2

filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ ls
plik1.txt  plik2.txt
```

Zadanie 4.

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ rm plik1.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ ls
plik2.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ git mv plik2.txt greetings.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ ls
greetings.txt
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
```

```
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    renamed:   plik2.txt -> greetings.txt
```

```
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
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ git add .
```

```
filip@jxnge_notebook MINGW64 /c/users/filip/onedrive/pulpit/wsb/repo2 (master)
$ git commit -m "Deleting and renaming"
[master 3ff26af] Deleting and renaming
2 files changed, 1 deletion(-)
 rename plik2.txt => greetings.txt (100%)
 delete mode 100644 plik1.txt
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git whatchanged
commit ba1a59279f71ae4169a16dc0506ffaafc098ffc53 (HEAD -> master)
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:59:42 2023 +0100

    Deleting and renaming

:100644 100644 e965047 e965047 R100      plik2.txt      greetings.txt
:100644 000000 557db03 0000000 D      plik1.txt

commit 1a963940451753f013c79e270b7e56bb336dd79e (origin/master, origin/HEAD)
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:54:01 2023 +0100

    Small Changes

:100644 100644 a5bce3f 557db03 M      plik1.txt
:100644 100644 180cf83 e965047 M      plik2.txt

commit 477d60648b0df44efb000bf18144bad3ee8067d3
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:51:20 2023 +0100

    First commit

:000000 100644 0000000 a5bce3f A      plik1.txt
:000000 100644 0000000 180cf83 A      plik2.txt
```

Zadanie 5.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git pull repo2 master
From C:/Users/filip/OneDrive/Pulpit/WSB/repo2
 * branch          master      -> FETCH_HEAD
Updating 1a96394..ba1a592
Fast-forward
 plik2.txt => greetings.txt | 0
 plik1.txt          | 1 -
 2 files changed, 1 deletion(-)
 rename plik2.txt => greetings.txt (100%)
 delete mode 100644 plik1.txt

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ ls
greetings.txt
```


Zadanie 6.

```
GNU nano 7.2 greetings.txt Modified
Hello Repo1
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ nano greetings.txt

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git add .

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git commit -m "Repo1 commit"
[master 6cc424a] Repo1 commit
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
GNU nano 7.2 greetings.txt
Hello Repo2
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ nano greetings.txt

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git add .

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git commit -m "Repo2 commit"
[master 57c3cd7] Repo2 commit
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git pull repo2 master
From C:/Users/filip/OneDrive/Pulpit/WSB/repo2
 * branch          master      -> FETCH_HEAD
Auto-merging greetings.txt
CONFLICT (content): Merge conflict in greetings.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   greetings.txt

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

```
GNU nano 7.2 greetings.txt
<<<<<<< HEAD
Hello Repo1
=====
Hello Repo2
>>>>>>> 57c3cd78b6f6056d6081d78b08be38d2844e949f
```

```
GNU nano 7.2 greetings.txt Modified
Hello Repo2
```

```

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master|MERGING)
$ git add .

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master|MERGING)
$ git merge --continue
[master 007d255] Merge branch 'master' of C:/Users/filip/OneDrive/Pulpit/WSB/repo2

```

```
Merge branch 'master' of C:/Users/filip/OneDrive/Pulpit/WSB/repo2
# Conflicts:
#   greetings.txt
#
# It looks like you may be committing a merge.
# If this is not correct, please run
#   git update-ref -d MERGE_HEAD
# and try again.
Conflict Resolved

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# All conflicts fixed but you are still merging.
#
# Changes to be committed:
#   modified:   greetings.txt
#
~
~
~
~
~
~
~
~
~
~
.git/COMMIT_EDITMSG[+] [unix] (13:25 10/12/2023) 10,18 A11
-- INSERT --
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git pull repo2 master
From C:/Users/filip/OneDrive/Pulpit/WSB/repo2
 * branch          master      -> FETCH_HEAD
Already up to date.
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git log --graph --oneline --all
* 007d255 (HEAD -> master) Merge branch 'master' of C:/Users/filip/OneDrive/Pulpit/WSB/repo2
|
| * 57c3cd7 (repo2/master) Repo2 commit
| * | 6cc424a Repo1 commit
|/
* bala592 Deleting and renaming
* 1a96394 Small Changes
* 477d606 First commit

```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git pull origin master
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 552 bytes | 23.00 KiB/s, done.
From C:/Users/filip/OneDrive/Pulpit/WSB/repo1
 * branch                master      -> FETCH_HEAD
    1a96394..007d255      master      -> origin/master
Updating 57c3cd7..007d255
Fast-forward
 greetings.txt | 1 +
 1 file changed, 1 insertion(+)
```

Zadanie 7.

```
commit ba1a59279f71ae4169a16dc0506ffa5c098ffc53
Author: jxnge <filipmarczyk@gmail.com>
Date: Sun Dec 10 12:59:42 2023 +0100
```

Deleting and renaming

```
commit 1a963940451753f013c79e270b7e56bb336dd79e
Author: jxnge <filipmarczyk@gmail.com>
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git checkout ba1a59
Note: switching to 'ba1a59'.
```

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 ((ba1a592...))
$ git status
HEAD detached at ba1a592
nothing to commit, working tree clean
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 ((ba1a592...))
$ nano greetings.txt
```

```
GNU nano 7.2 greetings.txt
Hello
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 ((ba1a592...))
$ git checkout master
Previous HEAD position was ba1a592 Deleting and renaming
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

Zad 8.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git show ba1a59:greetings.txt
Hello
```

Zad 9.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (master)
$ git diff ba1a59 greetings.txt
diff --git a/greetings.txt b/greetings.txt
index e965047..4953171 100644
--- a/greetings.txt
+++ b/greetings.txt
@@ -1,2 @@
-Hello
+Hello Repo2
```

Zad 10.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git branch test
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git checkout test
Switched to branch 'test'
```

```
GNU nano 7.2 greetings.txt Modified
Hello test
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (test)
$ nano greetings.txt
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (test)
$ git add .
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (test)
$ git commit -m "Test branch commit"
[test 6ee6972] Test branch commit
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (test)
$ git branch
  master
* test
```

```
GNU nano 7.2 greetings.txt
Hello Repo2
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (test)
$ git checkout master
Switched to branch 'master'
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ nano greetings.txt
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Zadanie 11.

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (test)
$ git pull origin test
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 244 bytes | 4.00 KiB/s, done.
From C:/Users/filip/OneDrive/Pulpit/WSB/repo1
 * branch            test            -> FETCH_HEAD
 * [new branch]      test            -> origin/test
Updating 007d255..6ee6972
Fast-forward
 greetings.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (test)
$ git show greetings.txt
commit 6ee69725cbea821be12b2f08a3fd5b1a21de00a1 (HEAD -> test, origin/test)
Author: jxnge <filipmarczyk@gmail.com>
Date:   Sun Dec 10 14:03:55 2023 +0100

    Test branch commit

diff --git a/greetings.txt b/greetings.txt
index 4953171..1ab1642 100644
--- a/greetings.txt
+++ b/greetings.txt
@@ -1,2 +1,2 @@
-Hello Repo2
+Hello test
```

```
filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (test)
$ git status
On branch test
nothing to commit, working tree clean

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (test)
$ git branch
  master
* test

filip@jxnge_notebook MINGW64 ~/onedrive/pulpit/wsb/repo2 (test)
$ git log -n 2
commit 6ee69725cbea821be12b2f08a3fd5b1a21de00a1 (HEAD -> test, origin/test)
Author: jxnge <filipmarczyk@gmail.com>
Date:   Sun Dec 10 14:03:55 2023 +0100

    Test branch commit

commit 007d255ae9d94395896c66ad4885387cd17b837d (origin/master, origin/HEAD, master)
Merge: 6cc424a 57c3cd7
Author: jxnge <filipmarczyk@gmail.com>
Date:   Sun Dec 10 13:25:14 2023 +0100

    Merge branch 'master' of C:/Users/filip/OneDrive/Pulpit/WSB/repo2

    Conflict Resolved
```