

Лабораторная работа № 1

Знакомство с Git

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Создание проекта

- git init
- git add hello.html
- git commit -m "Initial Commit"
- git status
- git log

```
C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git init
Initialized empty Git repository in C:/work/2020-2021/Mathmod/laboratory/lab01/hello/.git/

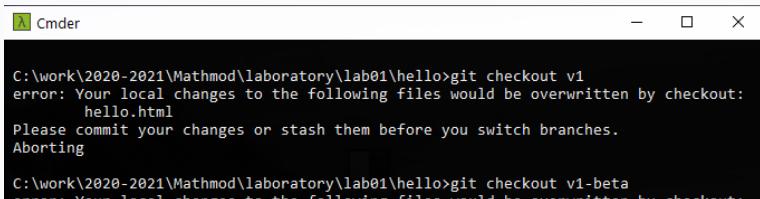
C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git add hello.html

C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git commit -m "Initial Commit"
[master (root-commit) 8d487c7] Initial Commit
 1 file changed, 1 insertion(+)
 create mode 100644 hello.html

C:\work\2020-2021\Mathmod\laboratory\lab01\hello>|
```

Отменение изменений

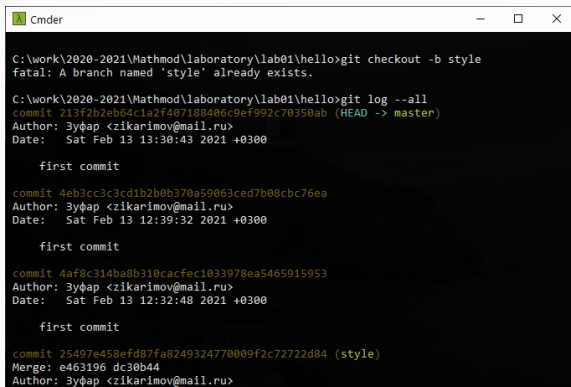
- `git tag HASH`
- `git checkout POINT`
- `git reset HEAD FILE`
- `git revert HEAD`
- `git reset --hard POINT`
- `git tag -d TAG`
- `git commit --amend -m "Comment"`



```
C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git checkout v1
error: Your local changes to the following files would be overwritten by checkout:
    hello.html
Please commit your changes or stash them before you switch branches.
Aborting

C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git checkout v1-beta
error: Your local changes to the following files would be overwritten by checkout:
```

- git checkout -b BRANCH
- git checkout BRANCH
- git log --graph --all
- git merge BRANCH



```
C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git checkout -b style
fatal: A branch named 'style' already exists.

C:\work\2020-2021\Mathmod\laboratory\lab01\hello>git log --all
commit 213f2b2eb64c1a2f407188406c9ef992c70350ab (HEAD -> master)
Author: Зыфар <zikarimov@mail.ru>
Date: Sat Feb 13 13:30:43 2021 +0300

    first commit

commit 4eb3cc3c3cd1b2b0b370a59063ced7b08cbc76ea
Author: Зыфар <zikarimov@mail.ru>
Date: Sat Feb 13 12:39:32 2021 +0300

    first commit

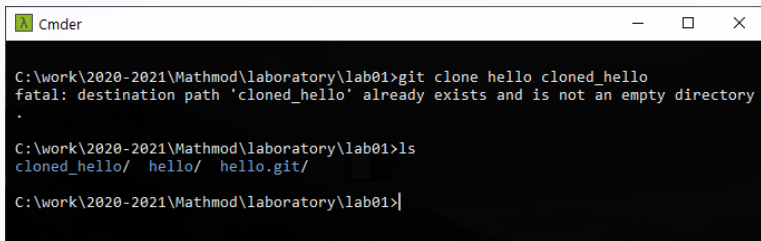
commit 4af8c314ba8b310cacfec1033978ea5465915953
Author: Зыфар <zikarimov@mail.ru>
Date: Sat Feb 13 12:32:48 2021 +0300

    first commit

commit 25497e458efd87fa8249324770009f2c72722d84 (style)
Merge: e463196 dc30b44
Author: Зыфар <zikarimov@mail.ru>
```

Клонирование репозитория

- git clone REPO TO
- git remote
- git branch -a
- git fetch
- git push shared BRANCH



```
C:\work\2020-2021\Mathmod\laboratory\lab01>git clone hello cloned_hello
fatal: destination path 'cloned_hello' already exists and is not an empty directory
.

C:\work\2020-2021\Mathmod\laboratory\lab01>ls
cloned_hello/  hello/  hello.git/

C:\work\2020-2021\Mathmod\laboratory\lab01>
```

рис 8.