# Лабораторная работа №1

Работа c git

Нзита Диатезилуа Катенди

22.04.2024

Российский университет дружбы народов, Москва, Россия



#### Докладчик

- Нзита Диатезилуа Катенди
- студент группы НКНбд-01-21
- Российский университет дружбы народов
- https://github.com/NzitaKatendi/Math\_modeling

# Вводная часть

#### Цели и задачи

#### Цель работы

Приобретение практических навыков работы с ситемой управления версиями Git.

#### Задачи

- Создать репозиторий
- Изменить его содержимое, изучить работу с коммитами, версиями и тегами
- · Поработать с объектами Git
- Создать дополнительную ветку, провести слияние, разрешение конфликтов
- Создать клон репозитория и слить его с оригинальным
- Залить и извлечь изменения

Выполнение лабораторной работы

```
dknzita@dknzita-VirtualBox:-$ git config --global core.autocrlf input
dknzita@dknzita-VirtualBox:-$ git config --global core.safecrlf true
dknzita@dknzita-VirtualBox:-$ git config --global core.quotepath off
dknzita@dknzita-VirtualBox:-$
```

Figure 1: Настройка git

```
dknzita@dknzita-VirtualBox:~$ git config --global core.autocrlf input
dknzita@dknzita-VirtualBox:~$ git config --global core.safecrlf true
dknzita@dknzita-VirtualBox:~$ git config --global core.quotepath off
dknzita@dknzita-VirtualBox:~$ mkdir hello
mkdir: cannot create directory 'hello': File exists
dknzita@dknzita-VirtualBox:~$ cd hello
dknzita@dknzita-VirtualBox:~/hello$ touch hello.html
dknzita@dknzita-VirtualBox:~/hello$ echo "Hello, world! > hello.html
```

Figure 2: Создание репозитория

```
dknzita@dknzita-VirtualBox:~/helloS touch hello.html
dknzita@dknzita-VirtualBox:~/hello$ echo "Hello world!" > hello.html
dknzita@dknzita-VirtualBox:~/helloS cat hello.html
Hello world!
dknzita@dknzita-VirtualBox:~/helloS git init
hint: Using 'master' as the name for the initial branch. This default branch nam
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint: 'development'. The just-created branch can be renamed via this command:
Initialized empty Git repository in /home/dknzita/hello/.git/
dknzita@dknzita-VirtualBox:~/helloS git add hello.html
dknzita@dknzita-VirtualBox:~/hello$ git commit -m "Initial Commit"
[master (root-commit) 309c3cd] Initial Commit
1 file changed, 1 insertion(+)
create mode 100644 hello.html
dknzita@dknzita-VictualBox:~/helloS
```

Figure 3: Внесение изменений в содержимое репозитория

```
dentagedunta-virtualBoz-/helio dentagedunta-virtualBoz-/helio
```

Figure 4: Внесение нескольких изменений в содержимое репозитория

```
### Phone 6:1

# Please enter the country message for your changes. Lines starting
# with be ignored, and an empty message aborts the country
# on branch message for your message aborts the country
# things to be countried
# changes to be countried
# shills.tml
```

Figure 5: Просмотр истории

```
dknzita@dknzita-VirtualBox:~/hello$ git commit
Aborting commit due to empty commit message.
dknzita@dknzita-VirtualBox:~/helloS git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
dknzita@dknzita-VirtualBox:~/hello$ mcedit hello.html
dknzita@dknzita-VirtualBox:~/hello$ git add hello.html
dknzita@dknzita-VirtualBox:~/helloS git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
dknzita@dknzita-VirtualBox:~/hello$
```

Figure 6: Просмотр разных версий репозитория

```
dknzita@dknzita-VirtualBox:-/hello$ git commit -m "Added standard HTML tags"
[master bzdfc6a] Added standard HTML tags
1 file changed, 5 insertions(+), 1 deletion(-)
dknzita@dknzita-VirtualBox:-/hello$ git status
On branch master
nothing to commit, working tree clean
dknzita@dknzita-VirtualBox:-/hello$ git add
Nothing specified, nothing added.
htnt: Maybe you wanted to say 'git add .'?
hint: Turn this message off by running
hint: "git config advice.addEmptyPathspec false"
dknzita@dknzita-VirtualBox:-/hello$ git status
On branch master
nothing to commit, working tree clean
dknzita@dknzita-VirtualBox:-/hello$ git commit -m "Added HTML header"
On branch master
nothing to commit, working tree clean
dknzita@dknzita-VirtualBox:-/hello$
```

Figure 7: Создание тегов версий

```
dknzita@dknzita-VirtualBox:-/hello$ git log
commit b2dfc6a1e869e33f2583d980c1a933cf0d667160 (HEAD -> master)
Author: dknzita «diatezilua.n@gmall.com>
Date: Mon Apr 22 12:03:10 2024 +0300

Added standard HTML tags

commit 309c3cdde59c789445c1001e1851b4b5fe1051eb
Author: dknzita «diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300

Initial Commit
dknzita@dknzita-VirtualBox:-/hello$ git log --pretty=oneline
b2dfc6a1e869e33f2583d980c1a933cf6d667160 (HEAD -> master) Added standard HTML tags
309c3cdde59c789445c10d1e1851b4b5fe1051eb Initial Commit
dknzita@dknzita-VirtualBox:-/hello$
```

Figure 8: Переключение по имени тега и просмотр доступных тегов

#### Отмена локальных изменений (до индексации)

```
dknzita@dknzita-VirtualBox:~/helloS git log
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300
    Added standard HTML tags
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300
    Initial Commit
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline
 oldfc6ale869e33f2583d980c1a933cf6d667160 (HEAD -> master) Added standard HTML tags
309c3cdde59c789445c10d1e1851b4b5fe1051eb Initial Commit
dknzita@dknzita-VirtualBox:~/hello$ git log --prretty=oneline --max-count=2
fatal: unrecognized argument: --prretty=oneline
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --max-count=2
 b2dfc6ale869e33f2583d980c1a933cf6d667160 (HEAD -> master) Added standard HTML tags
 309c3cdde59c789445c10d1e1851b4b5fe1051eb Initial Commit
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --since= '5 minute ago'
fatal: ambiguous argument '5 minute ago': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
 'git <command> [<revision>...] -- [<file>...]'
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --since='5 minutes ago'
 b2dfc6ale869e33f2583d980c1a933cf6d667160 (HEAD -> master) Added standard HTML tags
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --until='5 minutes ago'
 309c3cdde59c789445c10d1e1851b4b5fe1051eb Initial Commit
dknzita@dknzita-VirtualBox:~/helloS git log --pretty=oneline --author=<dknzita>
bash: syntax error near unexpected token `newline'
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --author='dknzita'
 2dfc6ale869e33f2583d980cla933cf6d667160 (HEAD -> master) Added standard HTML tags
dknzita@dknzita-VirtualBox:~/hello$ git log --pretty=oneline --all
 2dfc6ale869e33f2583d980c1a933cf6d667160 (HEAD -> master) Added standard HTML tags
309c3cdde59c789445c10d1e1851b4b5fe1051eb Initial Commit
dknzita@dknzita-VirtualBox:~/helloS
```

# Отмена проиндексированных изменений (перед коммитом)

```
Git Manual
 Thunderbird Mail
       git-log - Show commit logs
SYNOPSES
       git log [<options>] [<revision range>] [[--] <path>...]
DESCRIPTION
       Shows the commit logs.
       List commits that are reachable by following the parent links from the given commit(s), but exclude commits that are
       reachable from the one(s) given with a ^ in front of them. The output is given in reverse chronological order by default.
       You can think of this as a set operation. Commits reachable from any of the commits given on the command line form a set.
       and then commits reachable from any of the ones given with ^ in front are subtracted from that set. The remaining commits
       are what comes out in the command's output. Various other options and paths parameters can be used to further limit the
       result.
       Thus, the following command:
          S git log foo bar ^baz
       means "list all the commits which are reachable from foo or bar, but not from baz".
       A special notation "<commit2>".<commit2>" can be used as a short-hand for "^<commit1> <commit2>". For example, either of
       the following may be used interchangeably:
          S git log origin..HEAD
          S git log HEAD Aprigin
       Another special notation is "<commit1>...<commit2>" which is useful for merges. The resulting set of commits is the
       symmetric difference between the two operands. The following two commands are equivalent:
           S git log A B --not S(git merge-base --all A B)
          S alt log A...B
Manual page git-log(1) line 1 (press h for help or a to quit
```

Figure 10: Отмена проиндексированных изменений (перед коммитом)

```
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300

Added standard HTML tags

commit 309c3cdde59c789445c10d1e1851b4b5fe1051eb
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300

Initial Commit
dknzita@dknzita-VirtualBox:~/hello$
```

Figure 11: Отмена коммитов

```
Initial Commit
dbast:syntasevirtualBox:-/hello$ git checkout <hash-
bash: syntax error near unexpected token 'newline'
dknztta@dknztta-VirtualBox:-/hello$ cat hello.html
ektlm-
chtlm-
```

Figure 12: Удаление коммиттов из ветки

#### Удаление тега оорѕ

```
</html>dknzita@dknzita-VirtualBox:~/helloS git tag v1
dknzita@dknzita-VirtualBox:~/helloS git checkout v1^
Note: switching to 'v1^'.
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.
If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:
  git switch -c <new-branch-name>
Or undo this operation with:
 ait switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 309c3cd Initial Commit
dknzita@dknzita-VirtualBox:~/hello$ cat hello.html
Hello world!
dknzita@dknzita-VirtualBox:~/helloS git tag v1-beta
dknzita@dknzita-VirtualBox:~/helloS git checkout v1
Previous HEAD position was 309c3cd Initial Commit
HEAD is now at b2dfc6a Added standard HTML tags
dknzita@dknzita-VirtualBox:~/helloS git checkout v1-beta
Previous HEAD position was b2dfc6a Added standard HTML tags
HEAD is now at 309c3cd Initial Commit
dknzita@dknzita-VirtualBox:~/helloS
```

Figure 13: Удаление тега oops

#### Изменение предыдущего коммита

```
dinatta@dknrtta-VirtualBox:-/hello$ git tag
V1-beta
V1-beta
V1-beta
dinatta@dknrtta-VirtualBox:-/hello$ git log master --all
commit bdfccales00e3172834098c14931c706007160 (tag: v1, master)
Author: dknrtta-ddatetilua.nggmali.com-
Date: Mon Apr 22 12:03110 2024 +0300

Added standard HTML tags

commit 300clcddes90c780443c10d1e1851b4b5fe1051eb (HEAD, tag: v1-beta)
Author: dknrtta-ddatetilua.nggmali.com-
Date: Mon Apr 22 11:45122 2024 +0300

Intital Commit
dknrtta-VirtualBox:-/hello$
```

Figure 14: Изменение предыдущего коммита

# Перемещение файлов

Figure 15: Перемещение файлов

# Подробнее о структуре

Figure 16: Добавление нового файла в репозиторий

```
dknzita@dknzita-VirtualBox:~/hello$ 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)
no changes added to commit (use "git add" and/or "git commit -a")
dknzita@dknzita-VirtualBox:~/hello$ git checkout hello.html
Updated 1 path from the index
dknzita@dknzita-VirtualBox:~/hello$ git status
On branch master
nothing to commit, working tree clean
dknzita@dknzita-VirtualBox:~/helloS cat hello.html
<htlm>
    <body>
        <h1> Hello, World! </h1>
    </body>
</html>dknzita@dknzita-VirtualBox:~/hello$
```

Figure 17: Добавление нового файла в репозиторий

# Git внутри: Каталог .git

Figure 18: Каталог .git

# Работа непосредственно с объектами git

```
dknzita@dknzita-VirtualBox:-/hello$ git reset HEAD hello.html
Unstaged changes after reset:
M hello.html
dknzita@dknzita-VirtualBox:-/hello$ git checkout hello.html
Updated 1 path from the index
dknzita@dknzita-VirtualBox:-/hello$ git status
On branch master
nothing to commit, working tree clean
dknzita@dknzita-VirtualBox:-/hello$
```

Figure 19: Работа непосредственно с объектами git

# Работа непосредственно с объектами git

```
| Name | Constitute | Name | N
```

Figure 20: Поиск оригинального файла hello.html

```
THE ADMITS OF THE PROPERTY OF
```

Figure 21: Создание ветки

```
### Added Standard Form This Company C
```

Figure 22: Просмотр логов новой ветки

```
dknzita@dknzita-VirtualBox:-/hello$ git tag oops
dknzita@dknzita-VirtualBox:-/hello$ git reset --hard v1
HEAD is now at bzdfc6a Added standard HTML tags
dknzita@dknzita-VirtualBox:-/hello$ git log
commit bzdfc6a1e869e33f2583d980c1a933cfd6067160 (HEAD -> master, tag: v1)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300

Added standard HTML tags

commit 309c3cdde59c789445c10d1e1851b4b5fe1051eb (tag: v1-beta)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300

Initial Commit
dknzita@dknzita-VirtualBox:-/hello$
```

Figure 23: Переключение между ветками

```
Initial Commit
dknzita@dknzita-VirtualBox:~/hello$ git log -all
error: switch 'l' expects a numerical value
dknzita@dknzita-VirtualBox:~/hello$ git tag -d oops
Deleted tag 'oops' (was 2e9dc8b)
dknzita@dknzita-VirtualBox:~/helloS git log --all
commit b2dfc6a1e869e33f2583d980c1a933cf6d667160 (HEAD -> master. tag: v1)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300
    Added standard HTML tags
commit 309c3cdde59c789445c10d1e1851b4b5fe1051eb (tag: v1-beta)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300
    Initial Commit
dknzita@dknzita-VirtualBox:~/helloS
```

Figure 24: Изменения в ветке master

# Изменения в ветке master

```
CONTRACTOR CONTRACTOR
```

Figure 25: Просмотр веток

# Слияние

```
Comparison (Annual Annual Annu
```

Figure 26: Слияние веток

```
commit 399c2cdde595789445c18d1e185184b5fe1851eb (tag: v1-beta)
Author: dknztta «dlatezillu».n8pnall.com»
Date: Non Apr 22 114512 2024 +0300

Inttal commit
dknzttagdknztta-VtrtualBox:-/helis$ ncedit hello.html
dknzttagdknztta-VtrtualBox:-/helis$ ncedit hello.html
dknzttagdknztta-VtrtualBox:-/helis$ ncedit hello.html
dknzttagdknzta-VtrtualBox:-/helis$ forcedit hello.html
dknzttagdknzta-VtrtualBox:-/helis$ forcedit hello.html
finater cbc2300 Add an author connent
[naster cbc2300] Add an author connent
finite changed, 3 insertions(*)
dknzttagdknzta-VtrtualBox:-/helis$ ncedit hello.html
dhnztagdknzta-VtrtualBox:-/helis$ ncedit hello.html
dhnztagdknzta-VtrtualBox:-/helis$ ncedit hello.html
dhnztagdknzta-VtrtualBox:-/helis$ to connet --anend -n "Add author/enall connent"
Date: Non Apr 22 1237124 2024 +0300
1 file changed, 3 insertions(*)
dknzttagdknzta-VtrtualBox:-/helis$

1 file changed, 3 insertions(*)
dknzttagdknzta-VtrtualBox:-/helis$
```

Figure 27: Создание конфликта

# Разрешение конфликтов

```
dknztta@dknzita-VirtualBox:-/hello$ mkdir lib
dknztta@dknzita-VirtualBox:-/hello$ git mv hello.html lib
dknzita@dknzita-VirtualBox:-/hello$ git status
On branch master
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
    renamed: hello.html -> lib/hello.html

dknzita@dknzita-VictualBox:-/hello$
```

Figure 28: Разрешение конфликта

# Сброс ветки style

```
dknztta@dknztta-VirtualBox:-/hello$ git commit -m "Moved hello to lib"
[master fiddo7h8] Moved hello to lib
1 file changed, 0 insertions(+), 0 deletions(-)
rename hello.html => lib/hello.html (100%)
dknzita@dknztta-VirtualBox:-/hello$
```

Figure 29: Поиск коммита перед слиянием

# Сброс ветки style

Figure 30: Сброс ветки style

### Сброс ветки master

```
MONITORINGALESCATION CONTROL OF TWO MODELS TO THE STATE OF THE STATE O
```

Figure 31: Поиск коммита перед конфликтом

### Сброс ветки master

```
CONTINUED AND ACCOUNTS OF THE OFFICE AND ACCOUNT
```

Figure 32: Сброс ветки master

```
knzita@dknzita-VirtualBox:~/hello$ ls -C .git/objects/<dir>
bash: syntax error near unexpected token `newline'
dknzita@dknzita-VirtualBox:~/helloS cat .git/config
[core]
       repositoryformatversion = \theta
        filemode = true
        bare = false
       logallrefupdates = true
 knzita@dknzita-VirtualBox:~/hello$ ls .git/refs
 knzita@dknzita-VirtualBox:~/hello$ ls .git/refs/heads
dknzita@dknzita-VirtualBox:~/helloS ls .git/refs/tags
v1 v1-beta
dknzita@dknzita-VirtualBox:~/hello$ ls .git/refs/tags/v1
.git/refs/tags/v1
dknzita@dknzita-VirtualBox:~/helloS cat .git/HEAD
ref: refs/heads/master
dknzita@dknzita-VirtualBox:~/hello$ git log --max-count=1
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:46:28 2024 +0300
   Added index.html.
 |knzita@dknzita-VirtualBox:~/hello$
```

Figure 33: Перебазирование

## Слияние в ветку master



Figure 34: Слияние style в master

```
Added index.html.

dswitched to a new branch 'style'
dshitched to a new branch 'style'
dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitched/dshitch
```

Figure 35: Клонирование репозиториев

# Что такое origin?

Figure 36: Просмотр имени по умолчанию удаленного репозитория

```
dknzita@dknzita-VirtualBox:~/hello$ touch lib/style.css
dknzita@dknzita-VirtualBox:~/hello$ mcedit lib/style.css
dknzita@dknzita-VirtualBox:~/helloS git add lib/style.css
dknzita@dknzita-VirtualBox:~/hello$ git commit -m "Added css stylesheet"
[style c2df971] Added css stylesheet
1 file changed, 3 insertions(+)
 create mode 100644 lib/style.css
dknzita@dknzita-VirtualBox:~/helloS touch hello.html
dknzita@dknzita-VirtualBox:~/helloS mcedit hello.html
dknzita@dknzita-VirtualBox:~/hello$ git add lib/hello.html
dknzita@dknzita-VirtualBox:~/hello$ git commit -m "Hello uses style.css"
On branch style
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
dknzita@dknzita-VirtualBox:~/helloS
```

Figure 37: Просмтр доступных веток

#### Изменение оригинального репозитория

```
dknzita@dknzita-VirtualBox:~/helloS git log --all
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:56:50 2024 +0300
    Added css stylesheet
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:46:28 2024 +0300
    Added index.html.
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:41:48 2024 +0300
    Moved hello to lib
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:37:24 2024 +0300
    Add author/email comment
 commit b2dfc6a1e869e33f2583d980c1a933cf6d667160 (tag: v1)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300
    Added standard HTML tags
 commit 309c3cdde59c789445c10d1e1851b4b5fe1051eb (tag: v1-beta)
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 11:45:32 2024 +0300
    Initial Commit
```

### Изменение оригинального репозитория

Figure 39: Извлечение изменений

```
Initial Commit
dknzita@dknzita-VirtualBox:~/helloS git checkout master
Switched to branch 'master'
dknzita@dknzita-VirtualBox:~/helloS cat lib/hello.html
<!-- Autoior: Nzita Diatezilua Katendi (10322152200pfur.ru) -->
<htlm>
    <head>
    </head>
    <body>
        <h1> Hello, World! </h1>
    </body>
</html>dknzita@dknzita-VirtualBox:~/hello$ git checkout master
Already on 'master'
dknzita@dknzita-VirtualBox:~/helloS touch README.md
dknzita@dknzita-VirtualBox:~/hello$ echo "This is the hello Word example from git tutorial." > README.md
dknzita@dknzita-VirtualBox:~/helloS git add README.md
dknzita@dknzita-VirtualBox:~/hello$ git commit -m "Added README"
[master d59ddff] Added README
1 file changed, 1 insertion(+)
create mode 100644 README.md
dknzita@dknzita-VirtualBox:~/helloS
```

Figure 40: Слияние извлеченных изменений

#### Добавление ветки наблюдения

```
| Restrict Content of the Content of
```

Figure 41: Добавление ветки наблюдения

#### Создание чистого репозитория

```
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 13:09:30 2024 +0300
    Added README
  Author: dknzita <diatezilua.n@gmail.com>
  Date: Mon Apr 22 12:56:50 2024 +0300
      Added css stylesheet
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:46:28 2024 +0300
    Added index.html.
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:41:48 2024 +0300
    Moved hello to lib
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:37:24 2024 +0300
    Add author/email comment
Author: dknzita <diatezilua.n@gmail.com>
Date: Mon Apr 22 12:03:10 2024 +0300
    Added standard HTML tags
```

Figure 42: Создание чистого репозитория

## Отправка и извлечение изменений

```
Added token heat,

Added token h
```

Figure 43: Отправка и извлечение изменений

Выводы



В результаты выполнение лабораторной работы были приобретены практические навыки работы с ситемой управления версиями Git.

Список литературы

## Список литературы

- 1. Git [Электронный ресурс]. Wikimedia Foundation, Inc., 2024. URL: https://ru.wikipedia.org/wiki/Git.
- 2. GitHub [Электронный ресурс]. GitHub, Inc., 2024. URL: https://github.com/.