Презентация по лабораторной работе №1

Работа с Git

Озьяс Стев Икнэль Дани

Информация

Докладчик

- Озьяс Стев Икнэль Дани
- студент группы НКНбд-01-21
- Российский университет дружбы народов
- https://github.com/Dacossti



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

Подготовка

```
dacossti@DESKTOP-12UTCDC:-$ git config --global user.name "Dacossti" dacossti@DESKTOP-12UTCDC:-$ git config --global user.eaail "osiastave15@gmail.com "dacossti@DESKTOP-12UTCDC:-$ git config --global core.safecrif true dacossti@DESKTOP-12UTCDC:-$ git config --global core.safecrif true dacossti@DESKTOP-12UTCDC:-$ git config --global core.quotepath off
```

Рис. 1: Настройка git

```
acossti@DESKTOP-124TCDC:~$ mkdir hello
 dacossti@DESKTOP-124TCDC:~$ cd hello
dacossti@DESKTOP-124TCDC:~/hello$ touch hello.html
 dacossti@DESKTOP-124TCDC:~/hello$ echo "Hello, World!" > hello.html
 dacossti@DESKTOP-124TCDC:~/hello$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
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:
        git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint: git branch -m <name>
Initialized empty Git repository in /home/dacossti/hello/.git/
dacossti@DESKTOP-124TCDC:~/hello$ git add hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git commit -m "Initial Commit"
[master (root-commit) cd073bf] Initial Commit
1 file changed, 1 insertion(+)
 create mode 100644 hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
nothing to commit, working tree clean
```

Рис. 2: Создание репозитория

```
dacossti@DESKTOP-124TCDC:~/hello$ nano hello.html
dacossti@DESKTOP-124TCDC:~/hello$ cat hello.html
<h1>Hello, world!</h1>
dacossti@DESKTOP-124TCDC:~/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)
    modified: hello.html

no changes added to commit (use "git add" and/or "git commit -a")
dacossti@DESKTOP-124TCDC:~/hello$ git add hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
    modified: hello.html
```

Рис. 3: Внесение изменений в содержимое репозитория

```
sstiBDESKTOP-124TCDC:~/hello$ git commit
[master b6c893e] «Added h1 tag»
1 file changed, 1 insertion(+), 1 deletion(-)
   ossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
nothing to commit, working tree clean
dacosstipDESKTOP-124TCDC:~/hello$ nano hello.html
dacosstipDESKTOP-124TCDC:~/hello$ cat hello.html
<h1>Hello, World!</h1>
dacossti@DESKTOP-124TCDC:~/hello$ nano hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git add hello.html
dacossti@DESKTOP-124TCDC:~/hello$ nano hello.html
 dacosstiBDESKTOP-124TCDC:~/hello$ cat hello html
<head>
</head>
<h1>Hello, World!</h1>
</html>
 acossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
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)
dacossti0DESKTOP-124TCDC:~/hello$ git commit -m "Added standard HTML page tags"
[master b50bc7f] Added standard HTML page tags
1 file changed, 4 insertions(+)
dacossti@DESRTOP-124TCDC:~/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)
```

Рис. 4: Внесение нескольких изменений в содержимое репозитория

```
18bf594 (HEAD -> master)
    Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:31:25 2025 +0300
                        Added HTML header
    connit b50bc7f8d377c23a73bc82a23f7d94b5f7b113b6
Author: Dacossti <osiasstave15@gnail.com>
  Date: Wed May 28 23:30:25 2025 +0300
                        Added standard HTML page tags
         onnit b6c893ed48b86b145559c4b8571cbae4ae452127
    Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:24:22 2025 +0300
                        «Added h1 tag»
         onnit cd073bfa2b66136c94b6ee7d8ce1a57a89fceff5
    Author: Dacossti <osiasstavel5@gmail.com>
    Date: Wed May 28 23:20:57 2025 +0300
                        Initial Connit
         Initial Commit
accosti@DESMID—INFOCE://hello$ git log --prettymoneline
auUTSZcacZUSazGSdSGFFFGS286saUSGSBFS9U (HEAD -> master) Added HTML header
SWSCFF83577S237MSCB2232F39SWSFFFESSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSFSUBSSF
SUBSSF UBSSF UBSSF UBSSF UBSSF UBSSF UBSSF UBSSF UBssfrubssfsubssfaubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfsubssfbsubssfbsubssfsubssfsubssfbsubssfbsubssfsubssfbsubssfsubssfsubssfsubssfsubssfsubssfsubs
    der Philip (1988) der Wilder (1986) als Wilferer (1988) in tital (committee of the committee of the committe
       bash: syntax error near unexpected token 'newline'
                                                              DESKTOP-124TCDC:~/hello$ git log --pretty=oneline --author=Dacossti
```

Рис. 5: Просмотр истории

Получение старых версий

```
acossti@DESKTOP-124TCDC:~/hello$ git checkout b50bc7f
Note: switching to 'b50bc7f'.
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:
 git switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at b50bc7f Added standard HTML page tags
acossti@DESKTOP-124TCDC:~/hello$ cat hello.html
<html>
<body>
<h1>Hello, World!</h1>
</body>
</html>
dacossti@DESKTOP-124TCDC:~/hello$ git checkout master
Previous HEAD position was b50bc7f Added standard HTML page tags
Switched to branch 'master'
```

Рис. 6: Просмотр разных версий репозитория

Создание тегов версий

```
acossti@DESKTOP-124TCDC:~/hello$ git tag v1
dacossti@DESKTOP-124TCDC:~/hello$ 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 b50bc7f Added standard HTML page tags
dacossti@DESKTOP-124TCDC:~/hello$ cat hello.html
<html>
<body>
<h1>Hello, World!</h1>
</body>
</html>
dacossti@DESKTOP-124TCDC:~/hello$ git tag v1-beta
dacossti@DESKTOP-124TCDC:~/hello$ git checkout v1
Previous HEAD position was b50bc7f Added standard HTML page tags
HEAD is now at 1a44782 Added HTML header
dacossti@DESKTOP-124TCDC:~/hello$ git checkout v1-beta
Previous HEAD position was 1a44782 Added HTML header
HEAD is now at b50bc7f Added standard HTML page tags
```

Рис. 7: Создание тегов версий

Создание тегов версий

```
acossti@DESKTOP-124TCDC:~/hello$ git checkout v1-beta
Previous HEAD position was 1a44782 Added HTML header
HEAD is now at b50bc7f Added standard HTML page tags
dacossti@DESKTOP-124TCDC:~/hello$ git tag
v1-beta
dacossti@DESKTOP-124TCDC:~/hello$ git log master --all commit la44782cac245a2654d36f7f63a06a45618bf504 (tag: v1, master)
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:31:25 2025 +0300
    Added HTML header
commit b50bc7f8d377c23a73bc82a23f7d94b5f7b113b6 (HEAD, tag: v1-beta)
Author: Dacossti <osiasstave15@gmail.com>
Date:
        Wed May 28 23:30:25 2025 +0300
    Added standard HTML page tags
commit b6c093ed48b86b145559c4b0571cbae4ae452127
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:24:22 2025 +0300
    «Added h1 tag»
commit cd073bfa2b66136c94b6ee7d8ce1a57a89fceff5
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:20:57 2025 +0300
    Initial Commit
```

Рис. 8: Переключение по имени тега и просмотр доступных тегов

Отмена локальных изменений (до индексации)

```
dacossti@DESKTOP-124TCDC:~/hello$ git checkout master
Previous HEAD position was b50bc7f Added standard HTML page tags
Switched to branch 'master'
dacossti@DESKTOP-124TCDC:~/hello$ nano hello.html
dacossti@DESKTOP-124TCDC:~/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")
dacossti@DESKTOP-124TCDC:~/hello$ git checkout hello.html
Updated 1 path from the index
dacossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
nothing to commit, working tree clean
dacossti@DESKTOP-124TCDC:~/hello$ cat hello.html
<html>
<head>
</head>
<body>
<h1>Hello. World!</h1>
</body>
</html>
```

Рис. 9: Отмена локальных изменений (до индексации)

Отмена проиндексированных изменений (перед коммитом)

Рис. 10: Отмена проиндексированных изменений (перед коммитом)

```
dacossti@DESKTOP-124TCDC:~/hello$ nano hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git add hello.html
dacossti@DESKTOP-124TCDC:~/hello$ git commit -m "Oops, we didn't want this commit"
[master 8439e8f] Oops, we didn't want this commit
1 file changed, 1 insertion(+)
dacossti@DESKTOP-124TCDC:~/hello$ git revert HEAD
[master f0e4194] Revert "Oops, we didn't want this commit"
1 file changed, 1 deletion(-)
dacossti@DESKTOP-124TCDC:~/hello$ git log
commit f0e41940606cb0clcdedd75ele8993d39cf35b16 (HEAD -> master)
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:43:54 2025 +0300
    Revert "Oops, we didn't want this commit"
    This reverts commit 8439e8f381cf78d171b9fba5d4bb50829d34a442.
commit 8439e8f381cf78d171b9fba5d4bb50829d34a442
Author: Dacossti <osiasstave15@gmail.com>
       Wed May 28 23:43:40 2025 +0300
Date:
   Oops, we didn't want this commit
```

Рис. 11: Отмена коммитов

```
| Second Description | Second
```

Рис. 12: Удаление коммиттов из ветки

Удаление тега оорѕ

```
dacossti@DESKTOP-124TCDC:~/hello$ git tag -d oops
Deleted tag 'oops' (was f0e4194)
dacossti@DESKTOP-124TCDC:~/hello$ git log --all
commit 1a44782cac245a2654d36f7f63a06a45618bf504 (HEAD -> master, tag: v1)
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:31:25 2025 +0300
    Added HTML header
commit b50bc7f8d377c23a73bc82a23f7d94b5f7b113b6 (tag: v1-beta)
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:30:25 2025 +0300
    Added standard HTML page tags
commit b6c093ed48b86b145559c4b0571cbae4ae452127
Author: Dacossti <osiasstave15@gmail.com>
        Wed May 28 23:24:22 2025 +0300
Date:
    «Added h1 tag»
commit cd073bfa2b66136c94b6ee7d8ce1a57a89fceff5
Author: Dacossti <osiasstave15@gmail.com>
Date: Wed May 28 23:20:57 2025 +0300
    Initial Commit
```

Рис. 13: Удаление тега оорѕ

Изменение предыдущего коммита

```
decest#GESUTUP-JPICCE-/helled name helle html
decest#GESUTUP-JPICCE-/helled pit and helle html
decest#GESUTUP-JPICCE-/helled pit and helle html
decest#GESUTUP-JPICCE-/helled pit commit "" "Add an author comment"
3 file changed ; insertion() comment
3 file changed ; insertion() comment
decest#GESUTUP-JPICCE-/helled name helle html
decest#GESUTUP-JPICCE-/helled pit commit ".mmend -m "Add an author/email comme
nt comment (#50955) did an author/email comment
decest#GESUTUP-NEW (#50955)
```

Рис. 14: Изменение предыдущего коммита

Перемещение файлов

```
dacossti@DESKTOP-124TCDC:~/hello$ mkdir lib
dacossti@DESKTOP-124TCDC:~/hello$ git w hello.html lib
dacossti@DESKTOP-124TCDC:~/hello$ git status
On branch master
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
renamed: hello.html -> lib/hello.html

dacossti@DESKTOP-124TCDC:~/hello$ mkdir lib
mkdir: cannot create directory (lib': File exists
dacossti@DESKTOP-124TCDC:~/hello$ mb rello.html lib
mv: cannot stat 'hello.html': No such file or directory
dacossti@DESKTOP-124TCDC:~/hello$ git commit -m "Moved hello.html to lib"
[master allb2a8] Moved hello.html to lib"
1 file changed, 0 insertions(*), 0 deletions(-)
rename hello.html \ 1 bl/hello.html (100%)
```

Рис. 15: Перемещение файлов

Подробнее о структуре

```
dacossti@DESKTOP-124TCDC:-/hello$ nano index.html
dacossti@DESKTOP-124TCDC:-/hello$ git add index.html
dacossti@DESKTOP-124TCDC:-/hello$ git commit -m "Added index.html."
[Imaster f3feUcf] Added index.html.
1 file changed, 5 insertions(+)
create mode 10064U4 index.html
dacossti@DESKTOP-124TCDC:-/hello$ cat index.html
<html>
chbody>
<iframe src="lib/hello.html" width="200" height="200" />
</body>
</html>
```

Рис. 16: Добавление нового файла в репозиторий

Подробнее о структуре

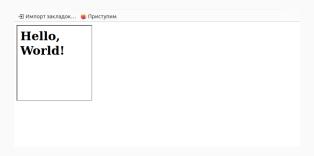


Рис. 17: Добавление нового файла в репозиторий

Git внутри: Каталог .git

```
dacossti@DESKTOP-124TCDC:~/hello$ ls -C .git
branches
                            HEAD
                                   index logs
                                                  ORIG_HEAD
COMMIT_EDITMSG description hooks info objects packed-refs
dacossti@DESKTOP-124TCDC:~/hello$ ls -C .git/objects
   1a 3c 52 62 84 8a a1 b5 bd cd f3 f7 fa
                       91 a5 b6 cb f0 f4 f8 info
dacossti@DESKTOP-124TCDC:~/hello$ ls -C .git/objects/la
44782cac245a2654d36f7f63a06a45618bf504
dacossti@DESKTOP-124TCDC:~/hello$ cat .git/config
[core]
       repositoryformatversion = 0
       filemode = true
       bare = false
       logallrefupdates = true
dacossti@DESKTOP-124TCDC:~/hello$ ls .git/refs
heads tags
dacossti@DESKTOP-124TCDC:~/hello$ ls .git/refs/heads
master
dacossti@DESKTOP-124TCDC:~/hello$ ls .git/refs/tags
v1 v1-beta
dacossti@DESKTOP-124TCDC:~/hello$ cat .git/refs/tags/v1
1a44782cac245a2654d36f7f63a06a45618bf504
dacossti@DESKTOP-124TCDC:~/hello$ cat .git/HEAD
ref: refs/heads/master
```

Рис. 18: Каталог .git

Работа непосредственно с объектами git

```
dacossti@DESKTOP-124TCDC:<mark>~/hello$ git log --max-count=1</mark>
commit f3fe4cf7f989f1ed070c12642beb496e18e2a2c0 (HEAD -> master)
Author: Dacossti <osiasstave15@gmail.com>
        Wed May 28 23:53:39 2025 +0300
    Added index.html.
dacossti@DESKTOP-124TCDC:~/hello$ git cat-file -t f3fe4cf
commit
dacossti@DESKTOP-124TCDC:~/hello$ git cat-file -p f3fe4cf
tree f81012e7305fef6023972bcd54f999d24c80339b
parent allb2a803e8ebc6d86c03534793802779c0fa627
author Dacossti <osiasstave15@gmail.com> 1748465619 +0300
committer Dacossti <osiasstave15@gmail.com> 1748465619 +0300
Added index.html.
dacossti@DESKTOP-124TCDC:~/hello$ git cat-file -p f3fe4cf
tree f81012e7305fef6023972bcd54f999d24c80339b
parent allb2a803e8ebc6d86c03534793802779c0fa627
author Dacossti <osiasstave15@gmail.com> 1748465619 +0300
committer Dacossti <osiasstave15@gmail.com> 1748465619 +0300
Added index.html.
```

Рис. 19: Работа непосредственно с объектами git

Работа непосредственно с объектами git

```
dessign bloom to the control of the
```

Рис. 20: Поиск оригинального файла hello.html

```
Securional Processing Control of the Checken - 9 style Section to a new search 'style' of the Checken - 9 style Section to a new search 'style' of the Checken - 9 style Section - 1 style Secti
```

Рис. 21: Создание ветки

Навигация по веткам

```
Amenical Control Contr
```

Рис. 22: Просмотр логов новой ветки

Навигация по веткам

```
dacossti@DESKTOP-124TCDC:-/hello$ git checkout master
error: Your local changes to the following files would be overwritten by checkout:
Lib/hello.html
Please commit your changes or stash them before you switch branches.
Abortic commit your changes or stash them before you switch branches.
Abortic commit your changes or stash them before you switch branches.
Abortic commit your changes or stash them before commit your changes change changes commit your changes changes commit your c
```

Рис. 23: Переключение между ветками

Изменения в ветке master

```
dacossti@DESKTOP-12UTCDC:-/hello$ touch README.md
dacossti@DESKTOP-12UTCDC:-/hello$ echo "This is the Hello World example from the g
it tutorial." > README.wd
dacossti@DESKTOP-12UTCDC:-/hello$ git add README.md
dacossti@DESKTOP-12UTCDC:-/hello$ git commit -m "Added README"
[style c8868ca] Added README
1 file changed, 1 insertion(+)
create node 198644 README.md
```

Рис. 24: Изменения в ветке master

Изменения в ветке master

```
### AND TRANSPORT OF THE PROPERTY OF THE PROPE
```

Рис. 25: Просмотр веток

Слияние

```
AccessingUniver-lawicor-/helios git checkeut style

| Lib/helio.html |
Already on style|
accessingUnivers-dustrocs-/helios git merge master
Already under Dattocs-/helios git merge master
Already under Dattocs-/helios git log --graph --all
```

Рис. 26: Слияние веток

Создание конфликта

```
dacossti@DESKTOP-124TCDC:-/hello$ nano lib/hello.html
dacossti@DESKTOP-124TCDC:-/hello$ git add lib/hello.html
dacossti@DESKTOP-124TCDC:-/hello$ git commit -m 'Life is great'
```

Рис. 27: Создание конфликта

Разрешение конфликтов

```
JacoszigDESPIGD-120TCC:-/hello$ git checkout style
Already on "syte"
JacoszigDESPIGD-120TCC:-/hello$ git merge master
Already up to date:
JacoszigDESPIGD-120TCC:-/hello$ cat lib/hello.html
```

Рис. 28: Разрешение конфликта

Сброс ветки style

Рис. 29: Поиск коммита перед слиянием

Сброс ветки style



Рис. 30: Сброс ветки style

Сброс ветки master

```
MarcastiBUSSMION-JANICO:-/Melloś git checkout master
Smitched to branch 'master'
dacosstiBUSSMION-JANICO:-/Melloś git leg =-graph
commit fafet(79899169016401260100180262026)
[Author: Decossti co-sizestevet(Sagnali.com)
Date: Wed May 18 231313139 2015 40380
```

Рис. 31: Поиск коммита перед конфликтом

Сброс ветки master



Рис. 32: Сброс ветки master

Перебазирование

dacossti@DESKTOP-124TCDC:~/hello\$ git checkout style Switched to branch 'style' dacossti@DESKTOP-124TCDC:~/hello\$ git rebase master

Рис. 33: Перебазирование

Слияние в ветку master

```
Second 1801-581 (CMC-/Mellof) git checkout master
Smitched to branch 'master'
idecostifUtSciOm-1281(CMC-/Hellof) git merge style
Updating ecf298c..ofab744
fast-forward
Lib/Mello them | q sse-
Lib/Mello Hello | q sse-
Lib/Mello | q sse-
```

Рис. 34: Слияние style в master

Клонирование репозиториев

```
Security of the Company of the Compa
```

Рис. 35: Клонирование репозиториев

Что такое origin?

```
dacost:@DESKIOP-12HICDC:=/cloned_hello$ git remote 
origin dacost:@DESKIOP-12HICDC:-/cloned_hello$ git remote show origin 
* remote origin 
Fetch URL: /home/dacossti/hello 
Push URL: /home/dacossti/hello 
HEAD branch: master tracked 
style tracked 
Local branch configured for 'git pull': 
master merges with remote master 
Local ref configured for 'git pull': 
master suggested the configured for 'git pull': 
master pushes to master 
Local ref configured for 'git push': 
master pushes to master (up to date)
```

Рис. 36: Просмотр имени по умолчанию удаленного репозитория

Удаленные ветки

```
dacossti@DESKTOP-124TCDC:~/cloned_hello$ git branch
* master
dacossti@DESKTOP-124TCDC:~/cloned_hello$ git branch -a
* master
remotes/origin/HEAD -> origin/master
remotes/origin/master
remotes/origin/style
```

Рис. 37: Просмтр доступных веток

Изменение оригинального репозитория

```
dacossti@DESKTOP-124TCDC:-/cloned_hello$ cd ../hello
dacossti@DESKTOP-124TCDC:-/hello$ nano README.nd
dacossti@DESKTOP-124TCDC:-/hello$ git add README.nd
dacossti@DESKTOP-124TCDC:-/hello$ git commit -m "Changed README in original repo"
On branch master
nothing to commit, working tree clean
```

Рис. 38: Изменение оригинального репозитория

Изменение оригинального репозитория

dacossti@DESKTOP-124TCDC:~/hello\$ cd ../cloned_hello dacossti@DESKTOP-124TCDC:~/cloned_hello\$ git fetch

Рис. 39: Извлечение изменений

Слияние извлеченных изменений

```
dacossti@DESKTOP-124TCDC:~/cloned_hello$ cat README.md
This is the Hello World example from the git tutorial.

dacossti@DESKTOP-124TCDC:~/cloned_hello$ git merge origin/master
Already up to date.
dacossti@DESKTOP-124TCDC:~/cloned_hello$ cat README.md
This is the Hello World example from the git tutorial.
dacossti@DESKTOP-124TCDC:~/cloned_hello$ git pull
Already up to date.
```

Рис. 40: Слияние извлеченных изменений

Добавление ветки наблюдения

```
Security of the Conference of
```

Рис. 41: Добавление ветки наблюдения

Создание чистого репозитория

```
dacossti@DESKTOP-124TCDC:-/cloned_hello$ cd .
dacossti@DESKTOP-124TCDC:-$ git clone --bare hello hello.git
Cloning into bare repository 'hello.git'..
done.
dacossti@DESKTOP-124TCDC:-$ ls hello.git
branches config description HEAD hooks info objects packed-refs refs
dacossti@DESKTOP-124TCDC:-$ ch hello
dacossti@DESKTOP-124TCDC:-/hello$ git remote add shared ./hello.git
```

Рис. 42: Создание чистого репозитория

Отправка и извлечение изменений

```
Annual manual and a service - Analysis of the cheest master and RADME of RA
```

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