

Отчёт по лабораторной работе №1

Работа с Git и Markdown

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Цель работы

- Вспомнить как работать с системой Git
- Вспомнить как работать с языком Markdown

Задание

1. Создать репозиторий Git
2. Выполнить все указанные команды
3. Выполнить отчет в Markdown

Выполнение лабораторной работы

Создали репозиторий, создали файл hello.html и вспомнили как работает индексирование и сохранение изменений. (рис. 1)

```
[master 92fdb2d] Added h1 tag
1 file changed, 1 insertion(+), 1 deletion(-)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git status
On branch master
nothing to commit, working tree clean

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git add hello.html
warning: in the working copy of 'hello.html', LF will be replaced by CRLF the next time you commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git add hello.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   hello.html

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

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit -m "Added standard HTML page tags"
[master bba2042] Added standard HTML page tags
1 file changed, 4 insertions(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (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:   hello.html

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

{рис. 1}

Вспомнили как можно посмотреть историю коммитов. (рис. 2)

```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git config --global core.safecrlf false

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   hello.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit -m "Added HTML header"
[master 0b0920b] Added HTML header
1 file changed, 2 insertions(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log
commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (HEAD -> master)
Author: Timofey A <meiwenk46@gmail.com>
Date:   Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4
Author: Timofey A <meiwenk46@gmail.com>
Date:   Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date:   Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date:   Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ |
```

{рис. 2}

Вспомнили как можно перемещаться между версиями. (рис. 3)

```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Note: switching to 'a25fabe8e7931c8396a0cc09a9768119f11bf6d8'.

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 a25fabe Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((a25fabe...))
$ cat hello.html
Hello, World!
```

{рис. 3}

Дали теги двум версиям, чтобы не потерять их. (рис. 4)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git tag v1

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git tag v1
fatal: tag 'v1' already exists

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ 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:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at bba2042 Added standard HTML page tags

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((bba2042...))
$ git checkout v1^
HEAD is now at bba2042 Added standard HTML page tags

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((bba2042...))
$ cat hello.html
<html>
<body>
<h1>Hello, World!</h1>
</body>
</html>
artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((bba2042...))
$ git tag v1-beta

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((v1-beta))
$ git tag
v1
v1-beta

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((v1-beta))
$ git log master --all
commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1, master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (HEAD, tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello ((v1-beta))
$ |

```

{рис. 4}

Удалили нежелательный коммит (рис. 5)

```

[master c75d8f5] Revert "Oops, we didn't want this commit"
1 file changed, 1 deletion(-)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log
commit c75d8f537e304c2a254db2c205a68d4beb92cb86 (HEAD -> master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:23:27 2024 +0300

    Revert "Oops, we didn't want this commit"

    This reverts commit 97ac85440b16ee7d49737664efac4779f01b0acc.

commit 97ac85440b16ee7d49737664efac4779f01b0acc
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:23:19 2024 +0300

    Oops, we didn't want this commit

commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$

```

{рис.

5}

Просмотрели историю коммитов(даже удаленных). (рис. 6)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log --all
commit c75d8f537e304c2a254db2c205a68d4beb92cb86 (tag: oops)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:23:27 2024 +0300

    Revert "Oops, we didn't want this commit"

    This reverts commit 97ac85440b16ee7d49737664efac4779f01b0acc.

commit 97ac85440b16ee7d49737664efac4779f01b0acc
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:23:19 2024 +0300

    Oops, we didn't want this commit

commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (HEAD -> master, tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git tag -d oops
Deleted tag 'oops' (was c75d8f5)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log --all
commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (HEAD -> master, tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ |

```

{рис. 6}

Вместо создания нового коммита и удаления старого, просто переименовали старый.
(рис. 7)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git add hello.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit -m "Add an author comment"
[master a8b837f] Add an author comment
1 file changed, 1 insertion(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ artam@DESKTOP-FM4EG91
bash: artam@DESKTOP-FM4EG91: command not found

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git add hello.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit --amend -m "Add an author/email comment"
[master dad6b22] Add an author/email comment
Date: Sat Feb 10 16:28:00 2024 +0300
1 file changed, 1 insertion(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log
commit dad6b225584cc5fc61fd6d5d99acc97e76e556f8 (HEAD -> master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:28:00 2024 +0300

    Add an author/email comment

commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ mkdir lib

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git mv hello.html lib

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    hello.html -> lib/hello.html

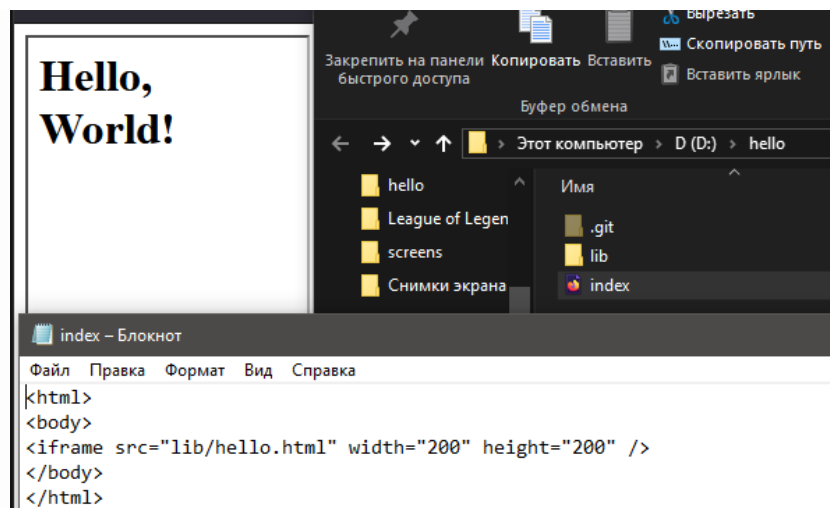
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit -m "Moved hello.html to lib"
[master b2bca79] Moved hello.html to lib
1 file changed, 0 insertions(+), 0 deletions(-)
rename hello.html => lib/hello.html (100%)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$

```

{рис. 7}

При открытии файла index открывается сайт с окошком Hello, World! (рис. 8)



{рис. 8}

Просмотрели файлы конфигурации репозитория. (рис. 9)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ ls -C .git/objects
Ob/ 23/ 50/ 62/ 8a/ 8d/ 97/ 9f/ a4/ a8/ b2/ c7/ e4/ eb/ info/
Od/ 42/ 52/ 6a/ 8c/ 92/ 9b/ a2/ a6/ b1/ bb/ da/ e8/ f7/ pack/

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ ls -C .git/objects/23
ec53878ee0e44f433cd540a8b089734a2d5557

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ ls .git/refs
heads/ tags/

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ ls .git/refs/heads
master

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ s .git/refs/tags
bash: s: command not found

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ ls .git/refs/tags
v1 v1-beta

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ cat .git/refs/tags/v1
0b0920b4d1a87fd21f70031810a9b218cc6aa103

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ cat .git/HEAD
ref: refs/heads/master

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log --max-count=1
commit 23ec53878ee0e44f433cd540a8b089734a2d5557 (HEAD -> master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:34:30 2024 +0300

    Added index.html.

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log --max-count=1
commit 23ec53878ee0e44f433cd540a8b089734a2d5557 (HEAD -> master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:34:30 2024 +0300

    Added index.html.

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git cat-file -t <hash>
bash: syntax error near unexpected token 'newline'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git cat-file -t 23ec53878ee0e44f433cd540a8b089734a2d5557
commit

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git cat-file -p 23ec53878ee0e44f433cd540a8b089734a2d5557
tree 9b931e66d301768b743282bf1698e4ff49c1c80d
parent b2bca79a07154dc655431c99d7e063e749e73410
author Timofey A <meiwenk46@gmail.com> 1707572070 +0300
committer Timofey A <meiwenk46@gmail.com> 1707572070 +0300

Added index.html.

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ |

```

{рис.9}

Создали новую ветку style. (рис. 10)


```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout -b style
Switched to a new branch 'style'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git status
On branch style
nothing to commit, working tree clean

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git add lib/style.css

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git commit -m "Added css stylesheet"
[style 6be4e32] Added css stylesheet
1 file changed, 3 insertions(+)
create mode 100644 lib/style.css

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git add lib/hello.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git commit -m "Hello uses style.css"
[style 73da6aa] Hello uses style.css
1 file changed, 2 insertions(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git add index.html

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git commit -m "Updated index.html"
[style 6c990de] Updated index.html
1 file changed, 4 insertions(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git log --all
commit 6c990de6d1595986a7edd4cad9fb2f4481392518 (HEAD -> style)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:49:31 2024 +0300

    Updated index.html

commit 73da6aa43b9be71ee97d113a460d4cc3f3287248
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:48:46 2024 +0300

    Hello uses style.css

commit 6be4e325f57406f95e4d93b0afb7e8c17dff9763
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:47:38 2024 +0300

    Added css stylesheet

commit 23ec53878ee0e44f433cd540a8b089734a2d5557 (master)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:34:30 2024 +0300

    Added index.html.

commit b2bca79a07154dc655431c99d7e063e749e73410
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:31:41 2024 +0300

    Moved hello.html to lib

commit dad6b225584cc5fc61fd6d5d99acc97e76e556f8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:28:00 2024 +0300

    Add an author/email comment

commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header
```

{рис. 10}

Видно что в разных ветках один и тот же файл отличается. (рис. 11)

```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git checkout master
Switched to branch 'master'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ cat lib/hello.html
<!-- Author: Timofey E. Artamonov (meiwenk46@gmail.com) -->
<html>
<head>
</head>
<body>
<h1>Hello, World!</h1>
</body>
</html>
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout style
Switched to branch 'style'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ cat lib/hello.html
<!-- Author: Timofey E. Artamonov (meiwenk46@gmail.com) -->
<html>
<head>
<link type="text/css" rel="stylesheet"
media="all" href="style.css" />
</head>
<body>
<h1>Hello, World!</h1>
</body>
</html>
```

{рис. 11}

Видно графическое представление того, что происходит в репозитории. (рис. 12)

```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout style
Switched to branch 'style'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git merge master
Merge made by the 'ort' strategy.
 README.md | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 README.md

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git log --graph --all
*   commit 71d7e5571ab46627166499c4fd16bba7657a05b (HEAD -> style)
|\  Merge: 6c990de 93829ab
| | Author: Timofey A <meiwenk46@gmail.com>
| | Date:   Sat Feb 10 16:56:15 2024 +0300
| |
| |     Merge branch 'master' into style
| |
| *   commit 93829abca953a4d7d567d04ec6a36001e16e5434 (master)
| | Author: Timofey A <meiwenk46@gmail.com>
| | Date:   Sat Feb 10 16:54:57 2024 +0300
| |
| |     Added README
| |
| *   commit 6c990de6d1595986a7edd4cad9fb2f4481392518
| | Author: Timofey A <meiwenk46@gmail.com>
| | Date:   Sat Feb 10 16:49:31 2024 +0300
| |
| |     Updated index.html
| |
| *   commit 73da6aa43b9be71ee97d113a460d4cc3f3287248
| | Author: Timofey A <meiwenk46@gmail.com>
| | Date:   Sat Feb 10 16:48:46 2024 +0300
| |
| |     Hello uses style.css
| |
| *   commit 6be4e325f57406f95e4d93b0afb7e8c17dff9763
|/  Author: Timofey A <meiwenk46@gmail.com>
|/  Date:   Sat Feb 10 16:47:38 2024 +0300
```

```

date: Sat Feb 10 16:47:58 2024 +0300

    Added css stylesheet

* commit 23ec53878ee0e44f433cd540a8b089734a2d5557
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:34:30 2024 +0300
|
|    Added index.html.
|
* commit b2bca79a07154dc655431c99d7e063e749e73410
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:31:41 2024 +0300
|
|    Moved hello.html to lib
|
* commit dad6b225584cc5fc61fd6d5d99acc97e76e556f8
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:28:00 2024 +0300
|
|    Add an author/email comment
|
* commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:09:58 2024 +0300
|
|    Added HTML header
|
* commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:04:06 2024 +0300
|
|    Added standard HTML page tags
|
* commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 15:58:01 2024 +0300
|
|    Added h1 tag

```

{рис. 12}

Графическое представление конфликта, который мы создали. (рис. 13)

```
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git log --graph --all
* commit 7c53996af232796605cf510347c7545eeab8cb5f (HEAD -> master)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:59:57 2024 +0300
|
| Life is great
|
| * commit 71d7e5571ab46627166499c4f1d16bba7657a05b (style)
| |\ Merge: 6c990de 93829ab
| |/ Author: Timofey A <meiwenk46@gmail.com>
| / Date: Sat Feb 10 16:56:15 2024 +0300
|
| Merge branch 'master' into style
|
| * commit 93829abca953a4d7d567d04ec6a36001e16e5434
| | Author: Timofey A <meiwenk46@gmail.com>
| | Date: Sat Feb 10 16:54:57 2024 +0300
| |
| | Added README
| |
| | * commit 6c990de6d1595986a7edd4cad9fb2f4481392518
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:49:31 2024 +0300
| | |
| | | Updated index.html
| | |
| | * commit 73da6aa43b9be71ee97d113a460d4cc3f3287248
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:48:46 2024 +0300
| | |
| | | Hello uses style.css
| | |
| | * commit 6be4e325f57406f95e4d93b0afb7e8c17dff9763
| | / Author: Timofey A <meiwenk46@gmail.com>
| | Date: Sat Feb 10 16:47:38 2024 +0300
| |
| | Added css stylesheet
| |
| | * commit 23ec53878ee0e44f433cd540a8b089734a2d5557
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:34:30 2024 +0300
| | |
| | | Added index.html.
| | |
| | * commit b2bca79a07154dc655431c99d7e063e749e73410
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:31:41 2024 +0300
| | |
| | | Moved hello.html to lib
| | |
| | * commit dad6b225584cc5fc61fd6d5d99acc97e76e556f8
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:28:00 2024 +0300
| | |
| | | Add an author/email comment
| | |
| | * commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:09:58 2024 +0300
| | |
| | | Added HTML header
| | |
| | * commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 16:04:06 2024 +0300
| | |
| | | Added standard HTML page tags
| | |
| | * commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 15:58:01 2024 +0300
| | |
| | | Added h1 tag
| | |
| | * commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
| | | Author: Timofey A <meiwenk46@gmail.com>
| | | Date: Sat Feb 10 15:54:44 2024 +0300
```

{рис. 13}

Результат работы команды rebase. (рис. 14)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout style
Switched to branch 'style'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git rebase master
Successfully rebased and updated refs/heads/style.

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ git log --graph
* commit bae9ae980f63fc814de6231c07617717d4878496 (HEAD -> style)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:49:31 2024 +0300
|
| Updated index.html
|
* commit d35ff74008014a7177ddd614e5e4d089fcea01ea
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:48:46 2024 +0300
|
| Hello uses style.css
|
* commit 747171b69599b901af4ec90092c218d40bfb1da9
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:47:38 2024 +0300
|
| Added css stylesheet
|
* commit 93829abca953a4d7d567d04ec6a36001e16e5434 (master)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:54:57 2024 +0300
|
| Added README
|
* commit 23ec53878ee0e44f433cd540a8b089734a2d5557
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:34:30 2024 +0300
|
| Added index.html.
|
* commit b2bca79a07154dc655431c99d7e063e749e73410
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:31:41 2024 +0300
|
| Moved hello.html to lib
|
* commit dad6b225584cc5Fc61fd6d5d99acc97e76e556f8
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:28:00 2024 +0300
|
| Add an author/email comment
|
* commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:09:58 2024 +0300
|
| Added HTML header
|
* commit bba2042ddfdcc8aece2bfe9838352863340f32f4 (tag: v1-beta)
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 16:04:06 2024 +0300
|
| Added standard HTML page tags
|
* commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 15:58:01 2024 +0300
|
| Added h1 tag
|
* commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
| Author: Timofey A <meiwenk46@gmail.com>
| Date: Sat Feb 10 15:54:44 2024 +0300
|
| Initial Commit
|
artam@DESKTOP-FM4EG91 MINGW64 /d/hello (style)
$ |

```

{рис. 14}

Склонировали наш репозиторий (рис. 15)

```
artam@DESKTOP-FM4EG91 MINGW64 /d
$ git clone hello cloned_hello
Cloning into 'cloned_hello'...
done.

artam@DESKTOP-FM4EG91 MINGW64 /d
$ ls
'$RECYCLE.BIN'/' 'System Volume Information'/' cloned_hello/' hello/' screens/

artam@DESKTOP-FM4EG91 MINGW64 /d
$ cd cloned_hello

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ ls
README.md index.html lib/

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ git log --all
commit bae9ae980f63fc814de6231c07617717d4878496 (HEAD -> master, origin/style, origin/master, origin/HEAD)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:49:31 2024 +0300

    Updated index.html

commit d35ff74008014a7177dd614e5e4d089fcea01ea
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:48:46 2024 +0300

    Hello uses style.css

commit 747171b69599b901af4ec90092c218d40bf1bda9
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:47:38 2024 +0300

    Added css stylesheet

commit 93829abca953a4d7d567d04ec6a36001e16e5434
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:54:57 2024 +0300

    Added README

commit 23ec53878ee0e44f433cd540a8b089734a2d5557
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:34:30 2024 +0300

    Added index.html.

commit b2bca79a07154dc655431c99d7e063e749e73410
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:31:41 2024 +0300

    Moved hello.html to lib

commit dad6b225584cc5fc61fd6d5d99acc97e76e556f8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:28:00 2024 +0300

    Add an author/email comment

commit 0b0920b4d1a87fd21f70031810a9b218cc6aa103 (tag: v1)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:09:58 2024 +0300

    Added HTML header

commit bba2042ddfddc8aeece2bfe9838352863340f32f4 (tag: v1-beta)
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 16:04:06 2024 +0300

    Added standard HTML page tags

commit 92fdb2ddc3c7c00dd375410e8261e7c20a40632c
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:58:01 2024 +0300

    Added h1 tag

commit a25fabe8e7931c8396a0cc09a9768119f11bf6d8
Author: Timofey A <meiwenk46@gmail.com>
Date: Sat Feb 10 15:54:44 2024 +0300

    Initial Commit

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ git remote show origin
* remote origin
  Fetch URL: D:/hello
  Push URL: D:/hello
  HEAD branch: master
  Remote branches:
    master tracked
    style tracked
  Local branch configured for 'git pull':
    master merges with remote master
  Local ref configured for 'git push':
    master pushes to master (up to date)
```

{рис. 15}

Сделали pull и получили данные из оригинального репозитория в клонированном.
(рис. 16)

```

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git add README.md

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git commit -m "Edited README"
[master e4ffc54] Edited README
1 file changed, 1 insertion(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git checkout master
Already on 'master'

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ git push shared master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 399 bytes | 399.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To ../hello.git
bae9ae9..e4ffc54 master -> master

artam@DESKTOP-FM4EG91 MINGW64 /d/hello (master)
$ cd ../cloned_hello

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ git remote add shared ../hello.git

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ git branch --track shared master
branch 'shared' set up to track 'master'.

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ git pull shared master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 379 bytes | 63.00 KiB/s, done.
From ../hello
 * branch          master      -> FETCH_HEAD
 * [new branch]    master      -> shared/master
Updating bae9ae9..e4ffc54
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)

artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)
$ cat README.md
This is the Hello World example from the git tutorial.
(Changed in the original and pushed to shared)
artam@DESKTOP-FM4EG91 MINGW64 /d/cloned_hello (master)

```

{рис.

16}

Выводы

Вспомнили как работать с системой Git, пока выполняли все действия из лабораторной работы. Вспомнили как работать с языком Markdown, пока писали этот отчет.

Список литературы

- Мой мозг
- Мой разум
- Моё сознание
- Лабораторные работы по OS
- Inspiration