Лабораторная работа 1 работа с git

Выполни: Петрушов Дмитрий Сергеевич

№ студ. Билета: 1032212287



```
(base) hobo@MSI:~$ git config --global core.autocrlf input (base) hobo@MSI:~$ git config --global core.safecrlf true (base) hobo@MSI:~$ git config --global core.quotepath off (base) hobo@MSI:~$
```

2 создание проекта

```
Initialized empty Git repository in /home/hobo/hello/.git/
(base) hobo@MSI:~/hello$ git add hello.html
(base) hobo@MSI:~/hello$ git commit -m "Initial Commit"
[master (root-commit) ff69a54] Initial Commit
1 file changed, 1 insertion(+)
 create mode 100644 hello.html
(base) hobo@MSI:~/hello$
 (base) hobo@MSI:~$ mkdir hello
 (base) hobo@MSI:~$ cd hello
 (base) hobo@MSI:~/hello$ touch hello.html
 (base) hobo@MSI:~/hello$ echo "Hello, World!" > hello.html
 (base) hobo@MSI:~/hello$
(base) hobo@MSI:~/hello$ git status
On branch master
nothing to commit, working tree clean
(base) hobo@MSI:~/hello$
```

3 внесение изменений

```
(base) hobo@MSI:~/hello$ vi hello.html
(base) hobo@MSI:~/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")
(base) hobo@MSI:~/hello$ git add hello.html
(base) hobo@MSI:~/hello$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
       modified: hello.html
(base) hobo@MSI:~/hello$
```

4 индексация изменений

```
(base) hobo@MSI:~/hello$ git commit -m "Added HTML header"
[master 9ac09de] Added HTML header
1 file changed, 6 insertions(+)
(base) hobo@MSI:~/hello$ ■
```

```
base) hobo@MSI:~/hello$ git commit
master 347e069] «Added h1 tag»

1 file changed, 2 insertions(+), 1 deletion(-)
base) hobo@MSI:~/hello$ git commit

n branch master
base) hobo@MSI:~/hello$ git status

n branch master

othing to commit, working tree clean
base) hobo@MSI:~/hello$ git status

hothing to commit, working tree clean
base) hobo@MSI:~/hello$
```

4 индексация изменений

```
mit 9ac09deec9459a8978e8d9b0b2a38401377348da (HEAD -> master)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:31:39 2024 +0300
   Added HTML header
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:29:45 2024 +0300
   Added standard HTML page tags
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:21:16 2024 +0300
   «Added h1 tag»
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:16:03 2024 +0300
   Initial Commit
```

```
(base) hobo@MSI:~/hello$ git log --pretty=oneline
9ac09deec9459a8978e8d9b0b2a38401377348da (HEAD -> master) Added HTML header
b31ced7939a9528c3e46e256fc755f85cbd39fd4 Added standard HTML page tags
347e069778ee86efe43ca9e512e6f373e37aed6d «Added h1 tag»
ff69a540b38e858ea00fb627db33d3ad7803623f Initial Commit
(base) hobo@MSI:~/hello$ ■

GIT-LOG(1) Git Manual GIT-LOG(1)
```

```
GIT-LOG(1)
NAME
      git-log - Show commit logs
SYNOPSIS
      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.
Manual page git-log(1) line 1 (press h for help or q to quit)
```

```
4
индексация
изменений
```

```
(base) hobo@MSI:~/hello$ git tag v1
(base) hobo@MSI:~/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:
  git switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at b31ced7 Added standard HTML page tags
(base) hobo@MSI:~/hello$
|HEAD is now at b31ced7 Added standard HTML page tags
(base) hobo@MSI:~/hello$ cat hello.html
<html>
<bodv>
<h1>Hello, World!</h1>
</body>
</html>
(base) hobo@MSI:~/hello$
```

```
</html>
(base) hobo@MSI:~/hello$ git tag v1-beta
(base) hobo@MSI:~/hello$ []
```

(base) hobo@MSI:~/hello\$ git checkout v1
Previous HEAD position was b31ced7 Added standard HTML page tags
HEAD is now at 9ac09de Added HTML header
(base) hobo@MSI:~/hello\$ git checkout v1-beta
Previous HEAD position was 9ac09de Added HTML header
HEAD is now at b31ced7 Added standard HTML page tags
(base) hobo@MSI:~/hello\$



```
(base) hobo@MSI:~/hello$ git tag
v1
v1-beta
(base) hobo@MSI:~/hello$ git log master --all
commit 9ac09deec9459a8978e8d9b0b2a38401377348da (tag: v1, master)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:31:39 2024 +0300

Added HTML header

commit b3lced7939a9528c3e46e256fc755f85cbd39fd4 (HEAD, tag: v1-beta)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:29:45 2024 +0300

Added standard HTML page tags
```



```
(base) hobo@MSI:~/hello$ git checkout hello.html
Updated 1 path from the index
(base) hobo@MSI:~/hello$ git status
On branch master
nothing to commit, working tree clean
(base) hobo@MSI:~/hello$ cat hello.html

<html>
<head>
</head>
</head>
</hed>
</body>
<h1>Hello, World!</h1>
</body>
</html>
```



```
(base) hobo@MSI:~/hello$ git reset HEAD hello.html
Unstaged changes after reset:
M hello.html
(base) hobo@MSI:~/hello$
```

```
(base) hobo@MSI:~/hello$ git checkout hello.html
Updated 1 path from the index
(base) hobo@MSI:~/hello$ git status
On branch master
nothing to commit, working tree clean
(base) hobo@MSI:~/hello$ ■
```



```
(base) hobo@MSI:~/hello$ vi hello.html
(base) hobo@MSI:~/hello$ git add hello.html
(base) hobo@MSI:~/hello$ git commit -m "Oops, we didn't want this commit"
[master 798a5ec] Oops, we didn't want this commit
1 file changed, 12 insertions(+), 5 deletions(-)
(base) hobo@MSI:~/hello$ git revert HEAD
[master 908ecc2] Revert "Oops, we didn't want this commit"
1 file changed, 5 insertions(+), 12 deletions(-)
(base) hobo@MSI:~/hello$
```

```
(base) hobo@MSI:~/hello$ git log
commit 908ecc2fd9e020f5ef62ca55ea1bc51de2b16480 (HEAD -> master)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:51:15 2024 +0300
   Revert "Oops, we didn't want this commit"
    This reverts commit 798a5ec64c5f1c85b35a80ad92882bf819fb0720.
commit 798a5ec64c5f1c85b35a80ad92882bf819fb0720
Author: PetrushovDmitry <petrushov39@bk.ru>
       Sat Apr 13 04:51:04 2024 +0300
Date:
   Oops, we didn't want this commit
commit 9ac09deec9459a8978e8d9b0b2a38401377348da (tag: v1)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date:
       Sat Apr 13 04:31:39 2024 +0300
```

10 внесение изменений в коммиты

```
(base) hobo@MSI:~/hello$ vi hello.html
(base) hobo@MSI:~/hello$ git add hello.html
(base) hobo@MSI:~/hello$ git commit --amend -m "Add an author/email comment"
[master 7a4cd24] Add an author/email comment
Date: Sat Apr 13 04:56:27 2024 +0300
1 file changed, 1 insertion(+), 1 deletion(-)
(base) hobo@MSI:~/hello$ git log
commit 7a4cd24042d1a7822b2f9699aelaee03b3a01cea (HEAD -> master)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 04:56:27 2024 +0300

Add an author/email comment
```



```
Date: Sat Apr 13 04:31:39 2024 +0300
(base) hobo@MSI:~/hello$ mkdir lib
(base) hobo@MSI:~/hello$ git mv hello.html lib
(base) hobo@MSI:~/hello$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed: hello.html -> lib/hello.html

(base) hobo@MSI:~/hello$
```



```
(base) hobo@MSI:~/hello$ touch index.html
(base) hobo@MSI:~/hello$ git add index.html
(base) hobo@MSI:~/hello$ git commit -m "Added index.html."
[master abe50f4] Added index.html.
2 files changed, 5 insertions(+)
  create mode 100644 index.html
  rename hello.html => lib/hello.html (100%)
(base) hobo@MSI:~/hello$
```



```
(base) hobo@MSI:~/hello$ ls -C .git/objects/<ab>
bash: syntax error near unexpected token `newline'
(base) hobo@MSI:~/hello$ git log --max-count=1
commit abe50f419ce724f33134e46e39d880585c232a61 (HEAD -> master)
Author: PetrushovDmitry <petrushov39@bk.ru>
Date: Sat Apr 13 05:02:11 2024 +0300

Added index.html.
(base) hobo@MSI:~/hello$
```