Лабораторная работа №1

Работа с git

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Содержание

Информация																			5
Докладчик																			5
Цели и задачи	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5
Основная часть																			6
Подготовка и настройка git																			6
Создание проекта																			6
Внесение изменений и индексация .																			7
Работа с историей и тегами																			7
Отмена изменений																			8
Работа с ветками																			9
Слияние и разрешение конфликтов .																			9
Работа с удаленными репозиториями																			10
Вывод																			10

List of Figures

1	Настройка юзера и параметры установки окончаний строк	6
2	Работа с репозиторием	6
	git commit	7

List of Tables

Информация

Докладчик

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- Студент
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Цели и задачи

• Научиться взаимодействовать с git.

Основная часть

Подготовка и настройка git

```
panatyukhin@pashka-VirtualBox:-$ git config --global user.name Irgulbic
panatyukhin@pashka-VirtualBox:-$ git config --global user.email pashok228123@gmail.com
panatyukhin@pashka-VirtualBox:-$ git config --global core.autocrlf input
panatyukhin@pashka-VirtualBox:-$ git config --global core.safecrlf true
panatyukhin@pashka-VirtualBox:-$ git config --global core.guotepath off
```

Figure 1: Настройка юзера и параметры установки окончаний строк

Создание проекта

```
panatyukhin@pashka-VirtualBox:-$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
panatyukhin@pashka-VirtualBox:-$ cd study/
panatyukhin@pashka-VirtualBox:-$ cd study/
panatyukhin@pashka-VirtualBox:-$ cd study shello hello.html
touch: cannot touch '/hello/hello.html': No such /hello/hello.html
touch: cannot touch '/hello/hello.html': No such file or directory
panatyukhin@pashka-VirtualBox:-/study$ touch hello/hello.html
panatyukhin@pashka-VirtualBox:-/study$ echo 'Hello, worlf!" > hello/hello.html
panatyukhin@pashka-VirtualBox:-/study$ echo 'Hello, worlf!" > hello/hello.html
panatyukhin@pashka-VirtualBox:-/study$ echo 'Hello, worlf!" > hello/hello.html
panatyukhin@pashka-VirtualBox:-/study$ etho 'Hello, world!" > hello/hello.html
panatyukhin@pashka-VirtualBox:-/study$ ethollo.html
panatyukhin@pashka-VirtualBox:-/studyhello$ git init
hint: Using 'naster' 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:
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: git branch -m <-name:
Initialized empty Git repository in /home/panatyukhin/study/hello/.git/
panatyukhin@pashka-VirtualBox:-/study/hello$ git commit -m "Initial Commit"
[master (root-commit) 7465dS2] Initial Commit
1 file changed, 1 insertion(*)
```

Figure 2: Работа с репозиторием

Внесение изменений и индексация

```
panatywhkingpashka-VirtualBox:-/study/helios git log --prettyse
bb318ce3673405128336971346503368666 (HEAD -- master) Adder
bb318ce36734717684680331352178261695679 Added standard HTML pe
panatywhkingpashka-VirtualBox:-/study/helios git log --prettyse
bb318ce36513717684680131352178261695679 Added standard HTML pe
panatywhkingpashka-VirtualBox:-/study/helios git log --prettyseneline --nax-count=3
db318c248475486216823604701447853646222cc1 added http://db.naster/Added HTML header
bb318ce365137176846801310352178261695679 Added standard HTML page tags
panatywkhingpashka-VirtualBox:-/study/helios git log --prettysoneline --nax-count=3
manatywkhingpashka-VirtualBox:-/study/helios git log --prettysoneline --nax-count=3
manatywkhingpashka-VirtualBox:-/study/helios git log --prettysoneline --nax-count=3
manatywkhingpashka-VirtualBox:-/study/helios git log
git log
panatywkhingpashka-VirtualBox:-/study/helios git log
git log
comnit db3569240475448210823694471446562366866 (HEAD -> master)
Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:23:15 2025 -0300

Added HTML header

commit ba13ces5e13f7168ad80131b3017f8261695df9

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:22:05 2025 -0300

Added standard HTML page tags
commit b474scbb91f27e46b3d6071aa7f47533d4c92cc4

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:18:34 2025 +0300

added htm b474scbb91f27e46b3d6071aa7f47533d4c92cc4

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:18:34 2025 +0300

added htm b474scbb91f27e46b3d6071aa7f4753b3d4c92cc4

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:18:34 2025 +0300

added htm b474scbb91f27e46b3d6071aa7f4753b3d4c92cc4

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:18:34 2025 +0300

added htm b474scbb91f27e46b3d6071aa7f4753b3d4c92cc4

Author: Irgulbic -pashok2281238gmail.com-
Date: Thu Feb 20 20:18:34 2025 +0300

added htm b474scbb91f27e46b3d6071aa7f4753b3d4c92cc4
```

Figure 3: git commit

Работа с историей и тегами

```
dated HTML header

panatyukhtn@pashka-VtrualBox:-/study/hellos git tog --pretty-only header standard HTML page tags

panatyukhtn@pashka-VtrualBox:-/study/hellos git tog --pretty-only header h
```

Отмена изменений

Added standard HTML page tags

Работа с ветками

```
panatyukhingpashka-VirtualBox:-/study/hellos glt staus
glt: 'staus' is not a glt command. See 'glt -help'.

The most sinilar command is
status
panatyukhingpashka-VirtualBox:-/study/hellos glt status
On branch style
panatyukhingpashka-VirtualBox:-/study/hellos glt status
On branch style
(use 'glt add)rn ffiles...' to update what will be committed)
(use 'glt restore 'files...' to update what will be committed)
(use 'glt restore 'files...' to update what will be committed)
(use 'glt restore 'files...' to update what will be committed)
(use 'glt add)rn ffiles...' to update what will be committed)
(use 'glt add)rn ffiles...' to update what will be committed)
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(use 'glt add)rn ffiles...' to ubdate what will be committed)
(use 'glt add)rn ffiles...' to ubdate what will be committed)
(use 'glt add 'glt add' and/or 'glt commit -a')

panatyukhingpashka-VirtualBox:-/study/hellos glt checkout style

switched to branch 'style'
panatyukhingpashka-VirtualBox:-/study/hellos glt checkout style
```

Слияние и разрешение конфликтов

```
pamatyukhin@pashka-VirtualBox:-/study/hello$ git log --graph --
* commit 7616a1b97a979759f336aeb7d917ac7ac@c70d75 (HEAD -> mast
Author: Irgulbic <pashok228123@gmail.com>
Date: Thu Feb 20 21:40:54 2025 +0300

Life is great

* commit 2bd8f8f113d70e7b0c2624e2e1d7a246ccb4a1d8 (style)
| Merge: d187104 c156538
|/ Author: Irgulbic <pashok228123@gmail.com>
| Date: Thu Feb 20 21:38:14 2025 +0300

| Merge branch 'master' into style

* commit c156538abab248e8012c09edc50bb68e3a10199b
| Author: Irgulbic <pashok228123@gmail.com>
| Date: Thu Feb 20 21:37:05 2025 +0300

| added README

* commit d4092952eaf4d7fc8bd6e8c48f962efa58cf12aef
| Author: Irgulbic <pashok228123@gmail.com>
| Date: Thu Feb 20 21:27:24 2025 +0300

| deleted wrong file

* commit d1871043095fd1953a6a23d25e53fdb78d02bdc1
| Author: Irgulbic <pashok228123@gmail.com>
| Date: Thu Feb 20 21:27:24 2025 +0300
```

Работа с удаленными репозиториями

```
panatyukhin@pashka-VirtualBox:-/studyS ppd
/home/panatyukhin@pashka-VirtualBox:-/studyS ls
hello
panatyukhin@pashka-VirtualBox:-/studyS ls
hello
panatyukhin@pashka-VirtualBox:-/studyS ls
hello
panatyukhin@pashka-VirtualBox:-/studyS ls

panatyukhin@pashka-VirtualBox:-/studyS ls
panatyukhin@pashka-VirtualBox:-/studyS ls
panatyukhin@pashka-VirtualBox:-/studyCloned_hello
panatyukhin@pashka-Virtual
```

Вывод

Научился взаимодейстовать с git.