

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ
Факультет физико-математических и естественных наук
Кафедра прикладной информатики и теории вероятностей



Отчет по лабораторной работе №2

Дисциплина: Операционные системы

Отчет подготовила
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Цель работы и задание

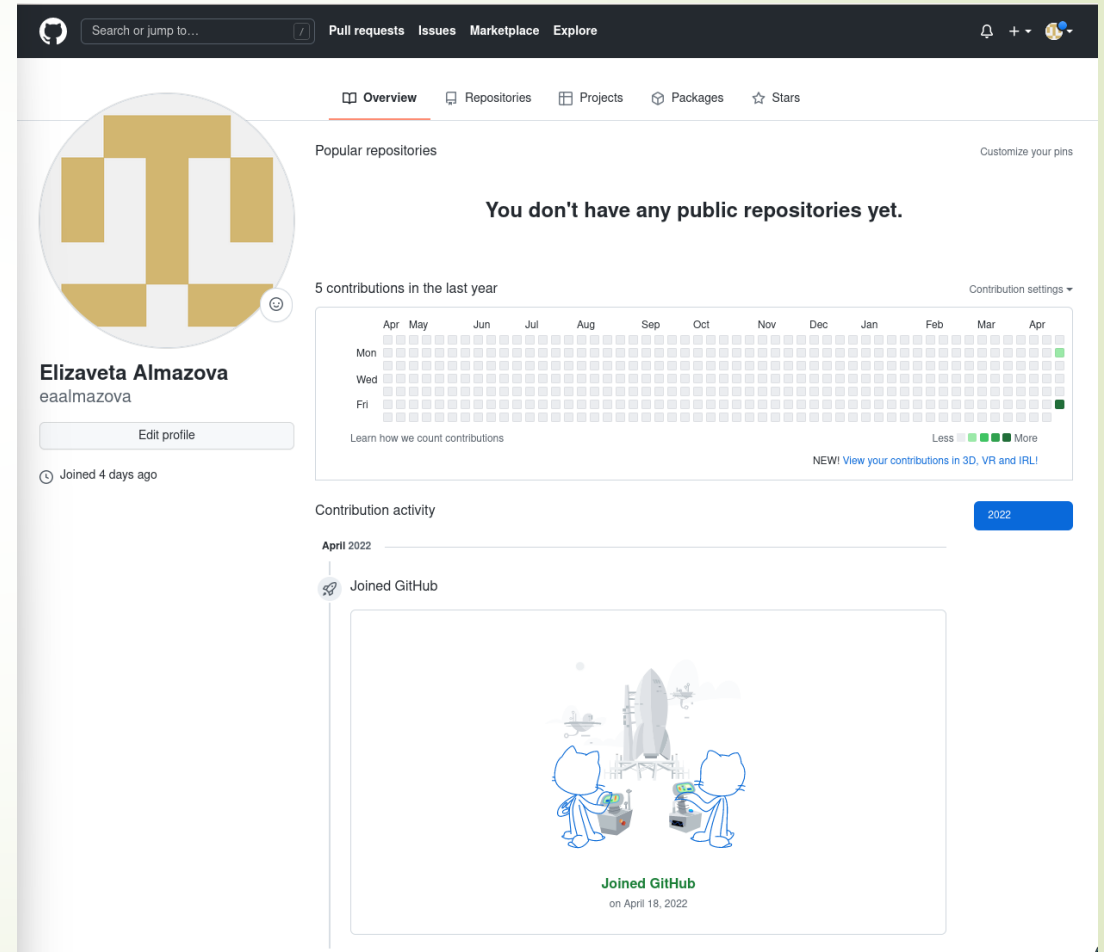
Цель работы: изучить идеологию и применение средств контроля версий, освоить умения по работе с git.

Задание:

- Создать базовую конфигурацию для работы с git;
- Создать ключ SSH;
- Создать ключ PGP;
- Настроить подписи git;
- Зарегистрироваться на Github;
- Создать локальный каталог для выполнения заданий по предмету.

Ход работы. Создание аккаунта на GitHub

Я создала и
заполнила учетную
запись на сайте
<https://github.com>. Логин
— это мой логин в
дисплейном классе,
eaalmazova.



Ход работы. Установка git-flow, gh, настройка git

```
eaalmazova [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка

Activities  Terminal  Apr 22 16:17  en  🔊  🖥  📄

eaalmazova@fedora:tmp

eaalmazova@fedora ~$ cd /tmp
eaalmazova@fedora tmp$ wget --no-check-certificate -q https://raw.githubusercontent.com/petervanderdoes/gitflow/develop/contrib/gitflow-installer.sh
eaalmazova@fedora tmp$ chmod +x gitflow-installer.sh
eaalmazova@fedora tmp$ sudo ./gitflow-installer.sh install stable
bash: sudo: command not found...
eaalmazova@fedora tmp$ sudo ./gitflow-installer.sh install stable

We trust you have received the usual lecture from the local System
administrator. It usually boils down to these three things:

#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

sudo) password for eaalmazova:
## git-flow-no-make installer ##
Installing git-flow to /usr/local/bin
Cloning repo from GitHub to gitflow
Cloning into 'gitflow'...
remote: Enumerating objects: 4270, done.
remote: Total 4270 (delta 0), reused 0 (delta 0), pack-reused 4270
Receiving objects: 100% (4270/4270), 1.74 MiB | 2.84 MiB/s, done.
Resolving deltas: 100% (2533/2533), done.
Already up to date.
Branch 'master' set up to track remote branch 'master' from 'origin'.
Switched to a new branch 'master'
Installing: creating directory /usr/local/share/doc/
Installing: creating directory /usr/local/share/doc/gitflow/
Installing: creating directory /usr/local/share/doc/gitflow/hooks/
gitflow/git-flow -> /usr/local/bin/git-flow
gitflow/git-flow-init -> /usr/local/bin/git-flow-init
gitflow/git-flow-feature -> /usr/local/bin/git-flow-feature
gitflow/git-flow-bugfix -> /usr/local/bin/git-flow-bugfix
gitflow/git-flow-hotfix -> /usr/local/bin/git-flow-hotfix
gitflow/git-flow-release -> /usr/local/bin/git-flow-release
gitflow/git-flow-support -> /usr/local/bin/git-flow-support
gitflow/git-flow-version -> /usr/local/bin/git-flow-version
gitflow/git-flow-common -> /usr/local/bin/git-flow-common
gitflow/git-flow-shTags -> /usr/local/bin/git-flow-shTags
gitflow/git-flow-config -> /usr/local/bin/git-flow-config
gitflow/hooks/filter-flow-hotfix-finish-tag-message -> /usr/local/share/doc/gitflow/hooks/filter-flow-hotfix-finish-tag-message
gitflow/hooks/filter-flow-hotfix-start-version -> /usr/local/share/doc/gitflow/hooks/filter-flow-hotfix-start-version
gitflow/hooks/filter-flow-release-branch-tag-message -> /usr/local/share/doc/gitflow/hooks/filter-flow-release-branch-tag-message
gitflow/hooks/filter-flow-release-finish-tag-message -> /usr/local/share/doc/gitflow/hooks/filter-flow-release-finish-tag-message
gitflow/hooks/filter-flow-release-start-version -> /usr/local/share/doc/gitflow/hooks/filter-flow-release-start-version
gitflow/hooks/post-flow-bugfix-delete -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-delete
gitflow/hooks/post-flow-bugfix-finish -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-finish
gitflow/hooks/post-flow-bugfix-publish -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-publish
gitflow/hooks/post-flow-bugfix-pull -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-pull
gitflow/hooks/post-flow-bugfix-start -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-start
gitflow/hooks/post-flow-bugfix-track -> /usr/local/share/doc/gitflow/hooks/post-flow-bugfix-track
gitflow/hooks/post-flow-feature-delete -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-delete
gitflow/hooks/post-flow-feature-finish -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-finish
gitflow/hooks/post-flow-feature-publish -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-publish
gitflow/hooks/post-flow-feature-pull -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-pull
gitflow/hooks/post-flow-feature-start -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-start
gitflow/hooks/post-flow-feature-track -> /usr/local/share/doc/gitflow/hooks/post-flow-feature-track
gitflow/hooks/post-flow-hotfix-delete -> /usr/local/share/doc/gitflow/hooks/post-flow-hotfix-delete
gitflow/hooks/post-flow-hotfix-finish -> /usr/local/share/doc/gitflow/hooks/post-flow-hotfix-finish
gitflow/hooks/post-flow-hotfix-publish -> /usr/local/share/doc/gitflow/hooks/post-flow-hotfix-publish
gitflow/hooks/post-flow-hotfix-start -> /usr/local/share/doc/gitflow/hooks/post-flow-hotfix-start
gitflow/hooks/post-flow-release-branch -> /usr/local/share/doc/gitflow/hooks/post-flow-release-branch
gitflow/hooks/post-flow-release-delete -> /usr/local/share/doc/gitflow/hooks/post-flow-release-delete
gitflow/hooks/post-flow-release-finish -> /usr/local/share/doc/gitflow/hooks/post-flow-release-finish
gitflow/hooks/post-flow-release-publish -> /usr/local/share/doc/gitflow/hooks/post-flow-release-publish
gitflow/hooks/post-flow-release-start -> /usr/local/share/doc/gitflow/hooks/post-flow-release-start
gitflow/hooks/post-flow-release-track -> /usr/local/share/doc/gitflow/hooks/post-flow-release-track
gitflow/hooks/pre-flow-feature-delete -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-delete
gitflow/hooks/pre-flow-feature-finish -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-finish
gitflow/hooks/pre-flow-feature-publish -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-publish
gitflow/hooks/pre-flow-feature-pull -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-pull
gitflow/hooks/pre-flow-feature-start -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-start
gitflow/hooks/pre-flow-feature-track -> /usr/local/share/doc/gitflow/hooks/pre-flow-feature-track
gitflow/hooks/pre-flow-hotfix-delete -> /usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-delete
gitflow/hooks/pre-flow-hotfix-finish -> /usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-finish
gitflow/hooks/pre-flow-hotfix-publish -> /usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-publish
gitflow/hooks/pre-flow-hotfix-start -> /usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-start
gitflow/hooks/pre-flow-release-branch -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-branch
gitflow/hooks/pre-flow-release-delete -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-delete
gitflow/hooks/pre-flow-release-finish -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-finish
gitflow/hooks/pre-flow-release-publish -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-publish
gitflow/hooks/pre-flow-release-start -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-start
gitflow/hooks/pre-flow-release-track -> /usr/local/share/doc/gitflow/hooks/pre-flow-release-track
eaalmazova@fedora tmp$
```

```
'gitflow/hooks/post-flow-release-start' -> '/usr/local/share/doc/gitflow/hooks/post-flow-release-start'
'gitflow/hooks/post-flow-release-track' -> '/usr/local/share/doc/gitflow/hooks/post-flow-release-track'
'gitflow/hooks/pre-flow-feature-delete' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-delete'
'gitflow/hooks/pre-flow-feature-finish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-finish'
'gitflow/hooks/pre-flow-feature-publish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-publish'
'gitflow/hooks/pre-flow-feature-pull' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-pull'
'gitflow/hooks/pre-flow-feature-start' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-start'
'gitflow/hooks/pre-flow-feature-track' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-feature-track'
'gitflow/hooks/pre-flow-hotfix-delete' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-delete'
'gitflow/hooks/pre-flow-hotfix-finish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-finish'
'gitflow/hooks/pre-flow-hotfix-publish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-publish'
'gitflow/hooks/pre-flow-hotfix-start' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-hotfix-start'
'gitflow/hooks/pre-flow-release-branch' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-branch'
'gitflow/hooks/pre-flow-release-delete' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-delete'
'gitflow/hooks/pre-flow-release-finish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-finish'
'gitflow/hooks/pre-flow-release-publish' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-publish'
'gitflow/hooks/pre-flow-release-start' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-start'
'gitflow/hooks/pre-flow-release-track' -> '/usr/local/share/doc/gitflow/hooks/pre-flow-release-track'
[eaalmazova@fedora tmp]$ sudo dnf install gh

Fedora 35 - x86_64
Fedora 35 openh264 (From Cisco) - x86_64
Fedora Modular 35 - x86_64
Fedora 35 - x86_64 - Updates
Fedora Modular 35 - x86_64 - Updates
Last metadata expiration check: 0:00:01 ago on Fri 22 Apr 2022 04:20:48 PM MSK.
Dependencies resolved.
=====
Package                Architecture      Version            Repository      Size
=====
Installing:
gh                      x86_64            2.7.0-1.fc35      updates         6.8 M
=====

Transaction Summary
=====
Install 1 Package

Total download size: 6.8 M
Installed size: 32 M
Is this ok [y/N]: y
Downloading Packages:
gh-2.7.0-1.fc35.x86_64.rpm
-----
7.9 MB/s | 6.8 MB | 00:00

Total
-----
6.8 MB/s | 6.8 MB | 00:00

Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing            :
Installing           : gh-2.7.0-1.fc35.x86_64
Running scriptlet: gh-2.7.0-1.fc35.x86_64
Verifying            : gh-2.7.0-1.fc35.x86_64
1/1
1/1
1/1
1/1

Installed:
gh-2.7.0-1.fc35.x86_64

Complete!
[eaalmazova@fedora tmp]$ git config --global user.name eaalmazova
[eaalmazova@fedora tmp]$ git config --global user.email almazelizaaveta@gmail.com
[eaalmazova@fedora tmp]$ git config --global core.quotepath false
[eaalmazova@fedora tmp]$ git config --global init.defaultBranch master
[eaalmazova@fedora tmp]$ git config --global core.autocrlf input
[eaalmazova@fedora tmp]$ git config --global core.safecrlf warn
[eaalmazova@fedora tmp]$
```

Ход работы. Создание ключей ssh и pgp

```
eaalmazova [Работаer] - Oracle VM VirtualBox
Файл Машина Вид Ввод Устройства Справка
Activities Terminal Apr 22 16:28 en
eaalmazova@fedora/tmp

[eaalmazova@fedora tmp]$ git config --global core.safecr1f warn
[eaalmazova@fedora tmp]$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/home/eaalmazova/.ssh/id_rsa): rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Passphrases do not match. Try again.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in rsa
Your public key has been saved in rsa.pub
The key fingerprint is:
SHA256:eyNtmkSG5GqTt18uXIRnWlhwPaSuokfcBcg=F0ZQt/Y eaalmazova@fedora
The key's randomart image is:
+-----[RSA 4096]-----+
|      .+..+ .      |
|      .+ O. .      |
|      + + oo       |
|      .o + o..+    |
|      +.Sa o. . El |
|      = +oo+ +     |
|      ..oo+oo+ .   |
|      ..o+o+.o     |
|      ..o+o+       |
|      +-----+    |
|      SHA256:      |
+-----+-----+
[eaalmazova@fedora tmp]$ gpg --full-generate-key
gpg (GnuPG) 2.3.2; Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

gpg: directory '/home/eaalmazova/.gnupg' created
gpg: keybox '/home/eaalmazova/.gnupg/pubring.kbx' created
Please select what kind of key you want:
(1) RSA and RSA
(2) DSA and ElGamal
(3) DSA (sign only)
(4) RSA (sign only)
(5) ECC (sign and encrypt) +default+
(10) ECC (sign only)
(14) Existing key from card
Your selection? 1
RSA keys may be between 1024 and 4096 bits long.
What keysize do you want? (3072) 4096
Requested keysize is 4096 bits
Please specify how long the key should be valid.
0 = key does not expire
<n> = key expires in n days
<nw> = key expires in n weeks
<nm> = key expires in n months
<ny> = key expires in n years
Key is valid for? (0) 0
Key does not expire at all
Is this correct? (y/N) y

GnuPG needs to construct a user ID to identify your key.

Real name: Elizaveta Almazova
Email address: almazelizaveta@gmail.com
Comment:
You selected this USER-ID:
"Elizaveta Almazova <almazelizaveta@gmail.com>"

Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit? 0
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
```

```
eaalmazova [Работаer] - Oracle VM VirtualBox
Файл Машина Вид Ввод Устройства Справка
Activities Terminal Apr 22 16:28 en
eaalmazova@fedora/tmp

We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: /home/eaalmazova/.gnupg/trustdb.gpg: trustdb created
gpg: key FD48933277615964 marked as ultimately trusted
gpg: directory '/home/eaalmazova/.gnupg/openpgp-revocs.d' created
gpg: revocation certificate stored as '/home/eaalmazova/.gnupg/openpgp-revocs.d/9764933703D831793CDCF141FD48933277615964.rev'
public and secret key created and signed.

pub rsa4096 2022-04-22 [SC]
9764933703D831793CDCF141FD48933277615964
uid Elizaveta Almazova <almazelizaveta@gmail.com>
sub rsa4096 2022-04-22 [E]
```

Я создала ключ ssh по алгоритму rsa с ключем размером 4096 бит (команда: `ssh-keygen -t rsa -b 4096` и ключ pgp (команда генерации: `gpg --full-generate-key`): тип RSA and RSA, размер 4096, срок действия не истекает никогда. Для сохранения в ключе я также ввела личную информацию: имя и адрес электронной почты, указанный на GitHub.

Ход работы. Добавление ключа GPG на GitHub

GPG keys

[New GPG key](#)

This is a list of GPG keys associated with your account. Remove any keys that you do not recognize.



GPG

Email address: almazelizaveta@gmail.com

Key ID: FD4B933277615964

Subkeys: 304C12B2B07613E8

Added on Apr 22, 2022

[Delete](#)

Learn how to [generate a GPG key and add it to your account](#).

Я вывела список ключей с помощью команды `gpg --list-secret-keys --keyid-format LONG`. Для копирования ключа в буфер обмена я также установила утилиту `xclip` с помощью команды `sudo dnf install xclip`.

Затем я скопировала сгенерированный PGP ключ в буфер обмена (команда: `gpg --armor --export FD4B933277615964 | xclip -sel clip`, где `FD4B933277615964` – отпечаток ключа) и добавила его как новый GPG ключ в настройках GitHub.

```
[ealmazova@fedora tmp]$ gpg --list-secret-keys --keyid-format LONG
gpg: checking the trustdb
gpg: marginals needed: 3 completes needed: 1 trust model: pgp
gpg: depth: 0 valid: 1 signed: 0 trust: 0-, 0q, 0n, 0m, 0f, 1u
/home/ealmazova/.gnupg/pubring.kbx

-----
sec  rsa4096/FD4B933277615964 2022-04-22 [SC]
     9764933703D831793DCDF141FD4B933277615964
uid      [ultimate] Elizaveta Almazova <almazelizaveta@gmail.com>
ssb  rsa4096/304C12B2B07613E8 2022-04-22 [E]
```

```
[ealmazova@fedora tmp]$ sudo dnf install xclip
[sudo] password for ealmazova:
Last metadata expiration check: 0:05:33 ago on Fri 22 Apr 2022 04:20:48 PM MSK.
Dependencies resolved.
```

Package	Architecture	Version	Repository	Size
Installing:				
xclip	x86_64	0.13-15.git11cba61.fc35	fedora	36 k

Transaction Summary

Install 1 Package

Total download size: 36 k

Installed size: 62 k

Is this ok [y/N]: y

Downloading Packages:

xclip-0.13-15.git11cba61.fc35.x86_64.rpm

413 kB/s | 36 kB 00:00

Total

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing :

Installing : xclip-0.13-15.git11cba61.fc35.x86_64

Running scriptlet: xclip-0.13-15.git11cba61.fc35.x86_64

Verifying : xclip-0.13-15.git11cba61.fc35.x86_64

1/1

1/1

1/1

1/1

Installed:

xclip-0.13-15.git11cba61.fc35.x86_64

Complete!

```
[ealmazova@fedora tmp]$ gpg --armor --export FD4B933277615964 | xclip -sel clip
```

```
[ealmazova@fedora tmp]$
```

Ход работы. Подписи коммитов и авторизация

Я настроила автоматические подписи коммитов git. Затем я авторизовалась с помощью команды `gh auth login`, ответив на несколько вопросов.

```
[eaalmazova@fedora tmp]$ git config --global user.signingkey FD4B933277615964
[eaalmazova@fedora tmp]$ git config --global commit.gpgsign true
[eaalmazova@fedora tmp]$ git config --global gpg.program $(which gpg2)
[eaalmazova@fedora tmp]$ gh auth login
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? SSH
? Generate a new SSH key to add to your GitHub account? No
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: B180-8127
Press Enter to open github.com in your browser...
✓ Authentication complete.
- gh config set -h github.com git_protocol ssh
✓ Configured git protocol
✓ Logged in as eaalmazova
```



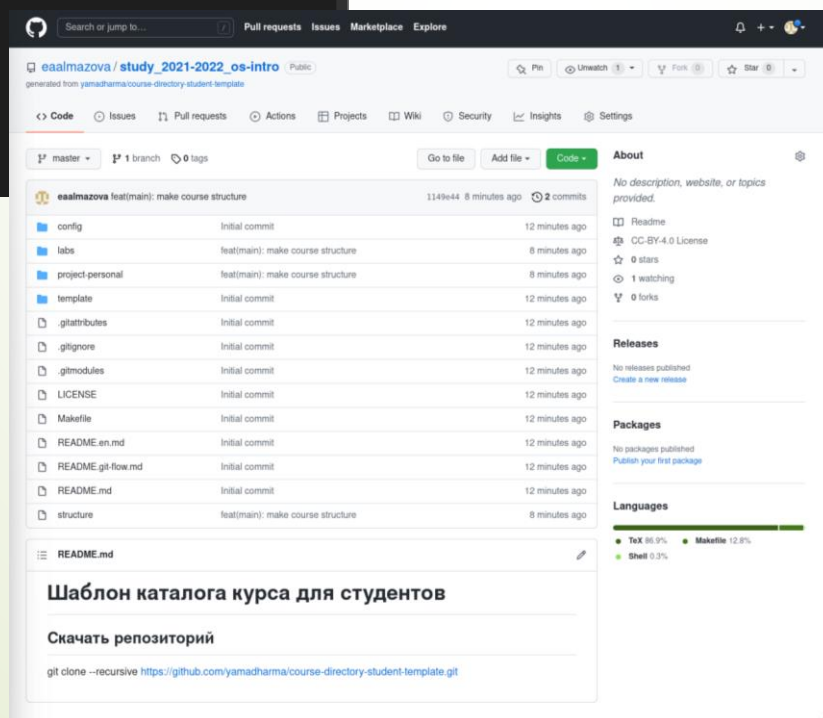
Congratulations, you're all set!

Your device is now connected.

Ход работы. Создание и отправка репозитория

```
eaalmazova@fedora tmp$ mkdir -p ~/work/study/2021-2022/"Операционные системы"
eaalmazova@fedora tmp$ cd ~/work/study/2021-2022/"Операционные системы"
eaalmazova@fedora Операционные системы$ gh repo create study_2021-2022_os-intro --template=yamadharma/course-directory-student-template --public
Created repository eaalmazova/study_2021-2022_os-intro on GitHub
eaalmazova@fedora Операционные системы$ git clone --recursive git@github.com:eaalmazova/study_2021-2022_os-intro.git os-intro
Cloning into 'os-intro'...
The authenticity of host 'github.com (140.82.121.4)' can't be established.
ED25519 key fingerprint is SHA256:D1Y3wvV6TujJhbpZisF/zLDA8zPMSVHdkr4UvCOQU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
eaalmazova@fedora Операционные системы$ git clone --recursive https://github.com/eaalmazova/study_2021-2022_os-intro.git os-intro
Cloning into 'os-intro'...
remote: Enumerating objects: 20, done.
remote: Counting objects: 100% (20/20), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 20 (delta 2), reused 15 (delta 2), pack-reused 0
Receiving objects: 100% (20/20), 12.50 KiB | 12.50 MiB/s, done.
Resolving deltas: 100% (2/2), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presentation-markdown-template.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-report-template.git) registered for path 'template/report'
Cloning into '/home/eaalmazova/work/study/2021-2022/Операционные системы/os-intro/template/presentation'...
remote: Enumerating objects: 42, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 42 (delta 9), reused 40 (delta 7), pack-reused 0
Receiving objects: 100% (42/42), 31.19 KiB | 709.00 KiB/s, done.
Resolving deltas: 100% (9/9), done.
Cloning into '/home/eaalmazova/work/study/2021-2022/Операционные системы/os-intro/template/report'...
remote: Enumerating objects: 78, done.
remote: Counting objects: 100% (78/78), done.
remote: Compressing objects: 100% (52/52), done.
remote: Total 78 (delta 31), reused 69 (delta 22), pack-reused 0
Receiving objects: 100% (78/78), 292.27 KiB | 1.59 MiB/s, done.
Resolving deltas: 100% (31/31), done.
Submodule path 'template/presentation': checked out '3eae6b7586f8a9aded2b506cd1018e625b228b93'
Submodule path 'template/report': checked out 'df7b2ef80f8def3b9a496f8695277469a1a7842a'
```



Я создала репозиторий курса в терминале на основе шаблона. Я перешла в каталог курса с помощью команды `cd ~/work/study/2021-2022/"Операционные системы"/os-intro`. Там я удалила лишний файл с помощью команды `rm package.json` и создала необходимый каталог командой `make COURSE=os-intro`. Затем я отправила файлы на сервер.



Вывод

В ходе выполнения данной лабораторной работы я изучила идеологию и применение средств контроля версий, освоила умения по работе с git.



Спасибо за внимание!