

Отчёт по лабораторной работе 2

Архитектура компьютера

Сувд Адисурэн

Содержание

1	Цель работы	5
2	Выполнение лабораторной работы	6
3	Выводы	13

Список иллюстраций

2.1	Регистрация профиля	6
2.2	Шаблон репозитория	7
2.3	Использование шаблона	8
2.4	Опции команды git	9
2.5	Пользователь git	9
2.6	Ключ для передачи	10
2.7	Сохранение ключа	11
2.8	Создание рабочего каталога	11
2.9	Создание рабочего каталога	12
2.10	push	12

Список таблиц

1 Цель работы

Целью работы является изучить идеологию и применение средств контроля версий. Приобрести практические навыки по работе с системой git.

2 Выполнение лабораторной работы

Регистрируюсь на гитхабе

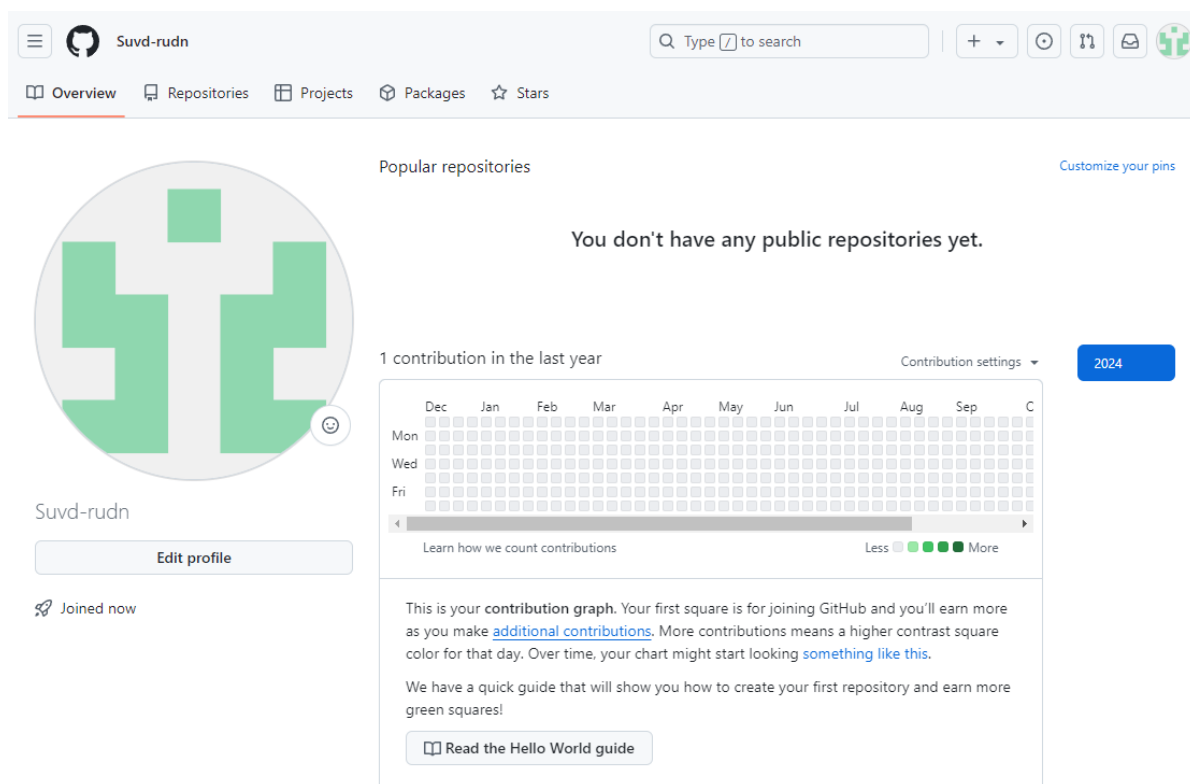


Рис. 2.1: Регистрация профиля

Нахожу шаблонный репозиторий и создаю из него свой.

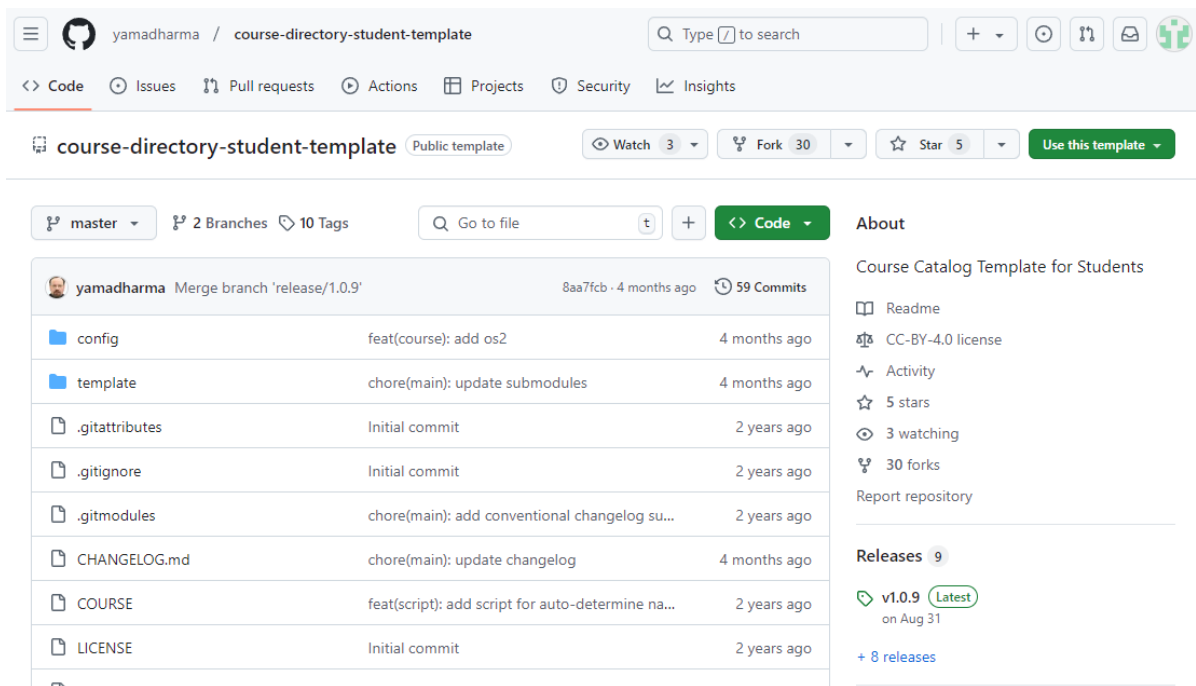


Рис. 2.2: Шаблон репозитория

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Repository template


 yamadharm/course-directory-student-template ▾

Start your repository with a template repository's contents.

☐ Include all branches

Copy all branches from yamadharm/course-directory-student-template and not just the default branch.

Owner *

 Suvd-rudn ▾


Repository name *


/ arch-pd

✔ arch-pc is available.

Great repository names are short and memorable. Need inspiration? How about [ubiquitous-doodle](#) ?

Description (optional)

☒  Public
Anyone on the internet can see this repository. You choose who can commit.

☐  Private
You choose who can see and commit to this repository.

 You are creating a public repository in your personal account.

Create repository

Рис. 2.3: Использование шаблона

Сначала сделаем предварительную конфигурацию git, создаю пользователя и ставлю параметры.


```

suvdadiasuren@Ubuntu:~$ git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path=<path>] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
      [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
      <command> [<args>]

These are common Git commands used in various situations:


start a working area (see also: git help tutorial)
  clone          Clone a repository into a new directory
  init           Create an empty Git repository or reinitialize an existing one


work on the current change (see also: git help everyday)
  add            Add file contents to the index
  mv            Move or rename a file, a directory, or a symlink
  restore       Restore working tree files
  rm            Remove files from the working tree and from the index
  sparse-checkout Initialize and modify the sparse-checkout


examine the history and state (see also: git help revisions)
  bisect        Use binary search to find the commit that introduced a bug
  diff          Show changes between commits, commit and working tree, etc
  grep          Print lines matching a pattern
  log           Show commit logs
  show          Show various types of objects
  status        Show the working tree status


grow, mark and tweak your common history
  branch        List, create, or delete branches
  commit        Record changes to the repository
  merge         Join two or more development histories together

```

Рис. 2.4: Опции команды git

```

suvdadiasuren@Ubuntu:~$
suvdadiasuren@Ubuntu:~$ git config --global user.name "Suvd-rudn"
suvdadiasuren@Ubuntu:~$ git config --global user.email "1032245183@rudn.university"

suvdadiasuren@Ubuntu:~$ git config --global core.quotePath false
suvdadiasuren@Ubuntu:~$ git config --global init.defaultBranch master
suvdadiasuren@Ubuntu:~$ git config --global core.autocrlf input
suvdadiasuren@Ubuntu:~$ git config --global core.safecrlf warn
suvdadiasuren@Ubuntu:~$

```

Рис. 2.5: Пользователь git

Далее создаю ключи для идентификации.

```
suvdadiasuren@Ubuntu:~$ ssh-keygen -C "Suvd-rudn 1032245183@rudn.university"
Generating public/private rsa key pair.

Enter file in which to save the key (/home/suvdadiasuren/.ssh/id_rsa): Created directory '/home/suvdadiasuren/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/suvdadiasuren/.ssh/id_rsa
Your public key has been saved in /home/suvdadiasuren/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:wjPdpaITo3kpVC1fEnzcyKiCUBERTt2bHH2V/EIWYfU Suvd-rudn 1032245183@rudn.university
The key's randomart image is:
+---[RSA 3072]---+
|  .*o . 000 .==. |
| .. = .+00 .0= . |
| oo .000. oo .E |
| . .+00*.+ . . |
| o=oSoo . |
| . * . |
| . = . |
| .000 |
| oo |
+-----[SHA256]-----+
suvdadiasuren@Ubuntu:~$
```

Рис. 2.6: Ключ для передачи

И добавляю ключ в профиль на гитхабе

Add new SSH Key

Title

key

Key type

Authentication Key

Key

ssh-rsa

```
AAAAB3NzaC1yc2EAAAADAQABAAQGDVOMHspPE8hcY34z/KID8s2+RiTzpVccbYiQR3a6TFTGII+/TOR82+MW7dwnQ
dn0KVYydTRE7hGQpNAv6UiU1MV1ZcNnGDLtxdUA3GqlanmbDVYhHx01cMb+C6ys2ZpF45kD4ry5HgWoCu8JmgPBmZ
JuSUR/oeylpg7rPnHqHM/HrN2rdRVA0mbQcFySo1U1db+ByMH/T9aFHYCSxQfDAOOb5L0FrcS+b+CQLdvpkopOmVult7pS
qliC36X0/hjVFdBv2jiTCTaGhb2ORo+OoQi2IOhcyVyh1MrHyKAqEmkCu8WflvfYRI7HLYf49ySL3BIbV4828PtEWMwYI26EQ
E29cXBncHwWyPJoyQCoAoypjFdDMNI2cMc58cQEj2/859yYyDYPIwdyYI864ilEhs8ec3NSkkJ8QPz/Q1nEBccrRDNukem
8nU20C0PSn7YlvzjXmUA9P0hSbINXwKWp04bajLfzT/fja4/9Wxfdy0Tb5pLhvlaqC7zCgE/wdWPqs0= Suvd-rudn
1032245183@rudn.university
```

Add SSH key

Рис. 2.7: Сохранение ключа

Теперь я создаю рабочий каталог и клонирую туда репозиторий с гитхаба.

```
suvdadiasuren@Ubuntu:~$ mkdir -p ~/work/study/2024-2025/"Архитектура компьютера"
suvdadiasuren@Ubuntu:~$ cd ~/work/study/2024-2025/"Архитектура компьютера"
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера$ git clone --recursive g
it@github.com:Suvd-rudn/arch-pc.git
Cloning into 'arch-pc'...

The authenticity of host 'github.com (4.225.11.194)' can't be established.
ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/R1BUFWu3/LiyKgUfQM.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com,4.225.11.194' (ECDSA) to the list of known hosts.
remote: Enumerating objects: 33, done.
remote: Counting objects: 100% (33/33), done.
remote: Compressing objects: 100% (32/32), done.
remote: Total 33 (delta 1), reused 18 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (33/33), 18.82 KiB | 401.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharm/academic-presentation-mark
down-template.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharm/academic-laboratory-report-templ
ate.git) registered for path 'template/report'
```

Рис. 2.8: Создание рабочего каталога

```

suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера$
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера$ cd ~/work/study/2024-20
25/"Архитектура компьютера"/arch-pc
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$ rm package.json
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$ echo arch-pc >
COURSE
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$ make prepare
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$

```

Рис. 2.9: Создание рабочего каталога

Загружаю отчет

```

create mode 100755 presentation/report/pandoc/filters/pandoc_fignos.py
create mode 100755 presentation/report/pandoc/filters/pandoc_secnos.py
create mode 100755 presentation/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/__init__.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/core.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/main.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/pandocattributes.py
create mode 100644 presentation/report/report.md
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$ git push
Enumerating objects: 37, done.
Counting objects: 100% (37/37), done.
Delta compression using up to 8 threads
Compressing objects: 100% (29/29), done.
Writing objects: 100% (35/35), 341.28 KiB | 3.05 MiB/s, done.
Total 35 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:Suvd-rudn/arch-pc.git
 84bef72..073a703 master -> master
suvdadiasuren@Ubuntu:~/work/study/2024-2025/Архитектура компьютера/arch-pc$

```

Рис. 2.10: push

3 Выводы

В ходе выполнения работы изучили работу с GitHub.