

# Отчёт по лабораторной работе 2

Архитектура компьютера

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# Содержание

1	Цель работы	5
2	Выполнение лабораторной работы	6
3	Выводы	12

## Список иллюстраций

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

## 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

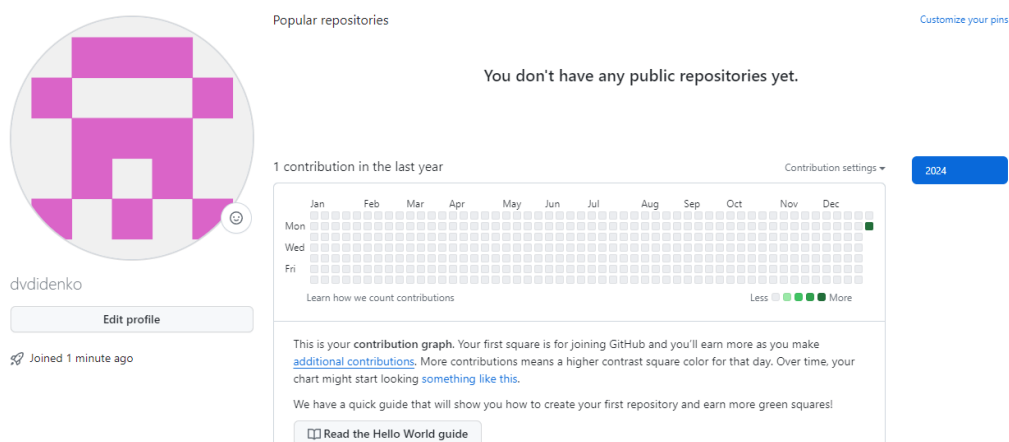


Рис. 2.1: Регистрация профиля

Нахожу шаблонный репозиторий и создаю из него свой.

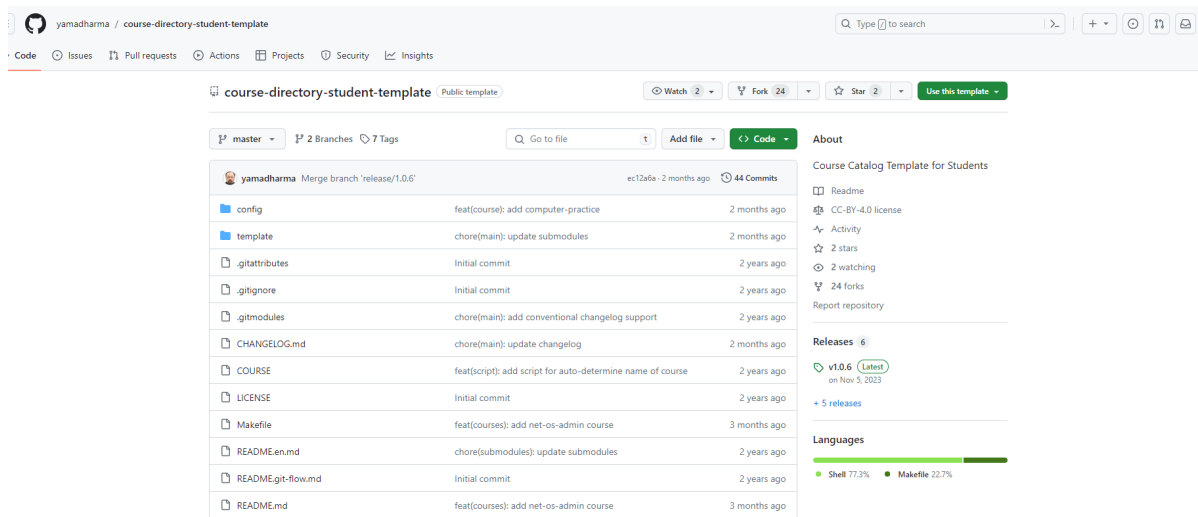


Рис. 2.2: Шаблон репозитория

## 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 (\*).

Owner \*  / Repository name \*

✔ arch-pc is available.

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

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.

**i** 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.

```
dvdidenko@dvdidenko-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
```

Рис. 2.4: Опции команды git

```
dvdidenko@dvdidenko-Ubuntu:~$ git config --global user.name "dvdidenko"
dvdidenko@dvdidenko-Ubuntu:~$ git config --global user.email "1032230532@pfur.ru"
dvdidenko@dvdidenko-Ubuntu:~$ git config --global core.quotepath false
dvdidenko@dvdidenko-Ubuntu:~$ git config --global init.defaultBranch master
dvdidenko@dvdidenko-Ubuntu:~$ git config --global core.autocrlf input
dvdidenko@dvdidenko-Ubuntu:~$ git config --global core.safecrlf warn
dvdidenko@dvdidenko-Ubuntu:~$
```

Рис. 2.5: Пользователь git

Далее создаю ключи для идентификации.



```
dvdidenko@dvdidenko-Ubuntu:~$ ssh-keygen -C "dvdidenko 1032230532@pfur.ru"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/dvdidenko/.ssh/id_rsa):
Created directory '/home/dvdidenko/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/dvdidenko/.ssh/id_rsa
Your public key has been saved in /home/dvdidenko/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:1QyilQ6SILLRarqRLFxYxXg0kXenLipGYR7lKMe37io dvdidenko 1032230532@pfur.ru
The key's randomart image is:
+---[RSA 3072]---+
|oo.o*. . .|
|+oo* + + o +|
|. **.* + + . o|
|B*+o.+ o .|
|O+o. .o S|
|.= . . .|
|o . . .|
|Eo ..|
|..oo.|
+---[SHA256]-----+
dvdidenko@dvdidenko-Ubuntu:~$
```

Рис. 2.6: Ключ для передачи

И добавляю ключ в профиль на гитхабе

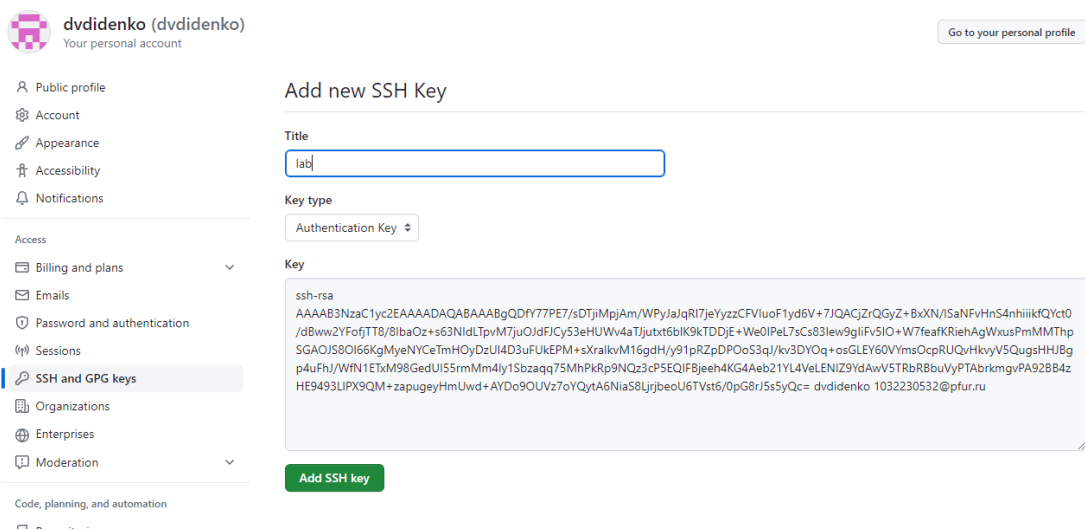


Рис. 2.7: Сохранение ключа

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

```
dvdidenko@dvdidenko-Ubuntu: ~/work/study/2023-2024/Архитектура компьютера
github.com:dvdidenko/arch-pc.git
Cloning into 'arch-pc'...
The authenticity of host 'github.com (140.82.121.4)' 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,140.82.121.4' (ECDSA) to the list of known hosts.
remote: Enumerating objects: 30, done.
remote: Counting objects: 100% (30/30), done.
remote: Compressing objects: 100% (29/29), done.
remote: Total 30 (delta 1), reused 17 (delta 0), pack-reused 0
Receiving objects: 100% (30/30), 17.75 KiB | 3.55 MiB/s, done.
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharm/academic-presentation-markdown-template.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharm/academic-laboratory-report-template.git) registered for path 'template/report'
Cloning into '/home/dvdidenko/work/study/2023-2024/Архитектура компьютера/arch-pc/template/presentation'...
remote: Enumerating objects: 95, done.
remote: Counting objects: 100% (95/95), done.
remote: Compressing objects: 100% (67/67), done.
remote: Total 95 (delta 34), reused 87 (delta 26), pack-reused 0
Cloning into '/home/dvdidenko/work/study/2023-2024/Архитектура компьютера/arch-pc/template/report'...
remote: Enumerating objects: 112, done.
remote: Counting objects: 100% (112/112), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 112 (delta 45), reused 98 (delta 31), pack-reused 0
Receiving objects: 100% (112/112), 331.19 KiB | 2.38 MiB/s, done.
Resolving deltas: 100% (45/45), done.
Submodule path 'template/presentation': checked out '40a1761813e197d00e8443ff1ca72c60a304f24c'
Submodule path 'template/report': checked out '25e169d367953f60c76c251db299ed52852b401f'
```

Рис. 2.8: Создание рабочего каталога

```
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера$ cd ~/work/study/2023-2024/"
Архитектура компьютера"/arch-pc
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ rm package.json
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ echo arch-pc > COURSE
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ make
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ ls
CHANGELOG.md  COURSE  LICENSE  prepare  README.en.md  README.md
config        labs   Makefile  presentation  README.git-flow.md  template
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$
```

Рис. 2.9: Создание рабочего каталога

Загружаю отчет

```

create mode 100644 presentation/presentation/Makefile
create mode 100644 presentation/presentation/image/kulyabov.jpg
create mode 100644 presentation/presentation/presentation.md
create mode 100644 presentation/report/Makefile
create mode 100644 presentation/report/bib/cite.bib
create mode 100644 presentation/report/image/placeimg_800_600_tech.jpg
create mode 100644 presentation/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100755 presentation/report/pandoc/filters/pandoc_eqnos.py
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
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ git push
Warning: Permanently added the ECDSA host key for IP address '140.82.121.3' to the list of known hosts.
Enumerating objects: 37, done.
Counting objects: 100% (37/37), done.
Delta compression using up to 6 threads
Compressing objects: 100% (29/29), done.
Writing objects: 100% (35/35), 342.13 KiB | 2.90 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:dvdidenko/arch-pc.git
   0efcbbf..60d2899  master -> master
dvdidenko@dvdidenko-Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$

```

Рис. 2.10: push

## 3 Выводы

В ходе выполнения работы изучили работу с GitHub.