

Отчёт по лабораторной работе 2

Архитектура ЭВМ

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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


Нахожу шаблонный репозиторий и создаю из него свой.

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 *

 artursarukhanov /

✔ arch-pc is available.

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

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. 2.1: Шаблон репозитория

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

```
asarukhanov@asarukhanov: ~  
asarukhanov@asarukhanov:~$ git config --global user.name "artursarukhanov"  
asarukhanov@asarukhanov:~$ git config --global user.email "asarukhanav@mail.ru"  
asarukhanov@asarukhanov:~$ git config --global core.quotepath false  
asarukhanov@asarukhanov:~$ git config --global init.defaultBranch master  
asarukhanov@asarukhanov:~$ git config --global core.autocrlf input  
asarukhanov@asarukhanov:~$ git config --global core.safecrlf warn  
asarukhanov@asarukhanov:~$
```


Рис. 2.2: Пользователь git и параметры

Далее создаю ключи для идентификации.

```
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/asarukhanov/.ssh/id_rsa): Created dir  
ectory '/home/asarukhanov/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/asarukhanov/.ssh/id_rsa  
Your public key has been saved in /home/asarukhanov/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:UE6eHwdme1A3LKPCepgaIDw3+63IqMyuXdiat/pZGa4 artursarukhanov asarukhanav@m  
ail.ru  
The key's randomart image is:  
+---[RSA 3072]---+  
| .. .. 00=...0 |  
| 0.0 .:=0+.+0... |  
| 0 0.0+.0+00 |  
| . .. .++ |  
| ...S .. |  
| 0 ..0. |  
| .00.+ |  
| 0..+++. |  
| ===+E. |  
+---[SHA256]-----+  
asarukhanov@asarukhanov:~$
```

Рис. 2.3: Ключ для профиля

И добавляю ключ в профиль на гитхабе

**artursarukhanov (artursarukhanov)**
Your personal account

Go to your personal profile

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and plans

Emails

Password and authentication

Sessions

SSH and GPG keys

Organizations

Enterprises

Moderation

Code, planning, and automation

Repositories

Add new SSH Key

Title

key

Key type

Authentication Key

Key

AAAA031vZaCtyczLAAAAQAQABAAAAbgQDabe13pYbKOKt0x0AypOneO6LvZCjmeb137u
NQPN5gT2fo2x2lWnJ3LSQ3w77YyE6Hz/ktXzGQA5bW94lnNpbSQuESGiQkHDLhSnVgxR7
LaQxfgsl0eRb4C91p1O2Wy78T6XylVPZ0q80Urh3C1j+Nsmmk8nDGQ9yayyeBMQiXt+TP
+SJc8IHcvz/cnyBOjjNUvw2xDmEaef9xucaJwxqYj9aY/h+O0dkhu54rDnhH1Yqs7DLt4Pxs
8yD5hOJhst8118VH0oP9aTJ8y731VtWI7XbsN0kpODBjdI92sXy5vbiohPLurH0zWL6XonS6
MaU+IPeJzgofUmRGiVXaMU0xvhoHOB3An2qUvGArocG0kE7A3R4NzC6zIPP40F0SsKTX3
h6h2UW+20eLOIOkBjuBw0Vn9LepV8M50O3FYmZzxH+nSqY9UARKQ1rUUp3S6cYwNcSs
TcRW3K4Qe1YZIH/DhVyOH0Stp0A60jk5A317JsN3E0E+i8PpmuCO1jVc= artursarukhanov
asarukhanav@mail.ru

Add SSH key

Рис. 2.4: Сохранение ключа

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


```
asarukhanov@asarukhanov: ~/work/study/2023-2024/Архите...
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presen-
tation-markdown-template.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-r-
eport-template.git) registered for path 'template/report'
Cloning into '/home/asarukhanov/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/asarukhanov/work/study/2023-2024/Архитектура компьютера/arch-
pc/template/report'...
remote: Enumerating objects: 126, done.
remote: Counting objects: 100% (126/126), done.
remote: Compressing objects: 100% (87/87), done.
remote: Total 126 (delta 52), reused 108 (delta 34), pack-reused 0
Receiving objects: 100% (126/126), 335.80 KiB | 2.14 MiB/s, done.
Resolving deltas: 100% (52/52), done.
Submodule path 'template/presentation': checked out '40a1761813e197d00e8443ff1ca
72c60a304f24c'
Submodule path 'template/report': checked out '7c31ab8e5dfa8cdb2d67caeb8a19ef802
8ced88e'
asarukhanov@asarukhanov:~/work/study/2023-2024/Архитектура компьютера$
```

Рис. 2.5: Создание рабочего каталога и клонирование репозитория

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

Рис. 2.6: Создание папок курса при помощи make

Загружаю отчет


```

create mode 100644 presentation/report/image/placelmg_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
asarukhanov@asarukhanov:~/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), 341.20 KiB | 3.10 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:artursarukhanov/arch-pc.git
8914bff..1ad9dec master -> master
asarukhanov@asarukhanov:~/work/study/2023-2024/Архитектура компьютера/arch-pc$

```

Рис. 2.7: push

Папки загружены


arch-pc
Public

[generated from yamadharma/course-directory-student-template](#)

[Pin](#)
[Unwatch 1](#)
[Fork 0](#)
[Star 0](#)

[master](#)
[Go to file](#)
[Code](#)

File/Folder	Commit Message	Time
artursarukhanov	feat(main): make course structure	1ad9dec · now
config	Initial commit	7 minutes ago
labs	feat(main): make course structure	now
presentation	feat(main): make course structure	now
template	Initial commit	7 minutes ago
.gitattributes	Initial commit	7 minutes ago
.gitignore	Initial commit	7 minutes ago
.gitmodules	Initial commit	7 minutes ago
CHANGELOG.md	Initial commit	7 minutes ago
COURSE	feat(main): make course structure	now
LICENSE	Initial commit	7 minutes ago

No description, website, or topics provided.

Readme

CC-BY-4.0 license

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Рис. 2.8: репозиторий

3 Выводы

В ходе выполнения работы изучили работу с GitHub.