

# РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

Кафедра прикладной информатики и теории вероятностей

## ОТЧЕТ

### ПО ЛАБОРАТОРНОЙ РАБОТЕ № 2

дисциплина:      *Архитектура компьютера*

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МОСКВА

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## Цель работы

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

## Ход работы

Регистрируюсь на гитхабе

```
Welcome to GitHub!  
Let's begin the adventure
```

```
Enter your email*
```

```
✓ 1032225659@pfur.ru
```

```
Create a password*
```

```
✓ .....
```

```
Enter a username*
```

```
✓ achinhusel
```

```
Would you like to receive product updates and  
announcements via email?
```

```
Type "y" for yes or "n" for no
```

```
✓ n
```

```
Verify your account
```

Нахожу шаблонный репозиторий и создаю из него свой.

☰

yamadharmacourse-directory-student-template

QType to search

>

+

🔄

🔗

✉

🚩

<>CodeIssuesPull requestsActionsProjectsSecurityInsights

📁course-directory-student-templatePublic template

👁Watch2🍴Fork25★Star2

👤master2 branches7 tagsGo to fileAdd file<>CodeUse this template

👤yamadharmamerge branch 'release/1.0.6'

ec12a6a4 d

📁config	feat(course): add computer-practice	4 days ago
📁template	chore(main): update submodules	4 days ago
📄.gitattributes	Initial commit	last year
📄.gitignore	Initial commit	last year
📄.gitmodules	chore(main): add conventional changelog support	last year
📄CHANGELOG.md	chore(main): update changelog	4 days ago

Create a new repositoryOpen in a codespace

AboutCourse Catalog Template for StudentsReadmeCC-BY-4.0 licenseActivity2 stars2 watching25 forksReport repository

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 \*

🚩achinhusel

/arch-pc

✅ arch-pc is available.

Great repository names are short and memorable. Need inspiration? How about **probable-chainsaw** ?

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

Установил программу гит

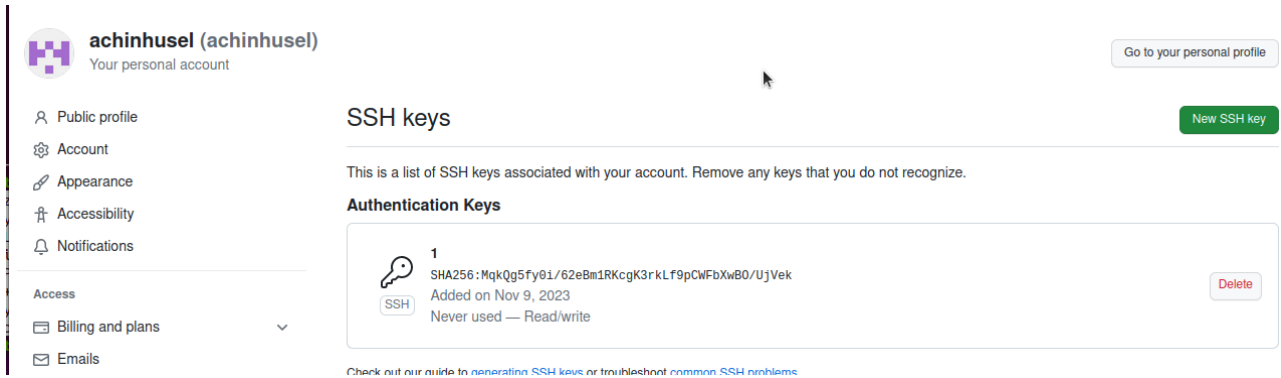
Сначала сделаем предварительную конфигурацию git, создаю пользователя и ставлю параметры.

```
achinhusel@Ubuntu: ~  
achinhusel@Ubuntu:~$ git config --global user.name "achinhusel"  
achinhusel@Ubuntu:~$ git config --global user.email "1032225659@pfur.ru"  
achinhusel@Ubuntu:~$ git config --global core.quotepath false  
achinhusel@Ubuntu:~$ git config --global init.defaultBranch master  
achinhusel@Ubuntu:~$ git config --global core.autocrlf input  
achinhusel@Ubuntu:~$ git config --global core.safecrlf warn  
achinhusel@Ubuntu:~$
```

Далее создаю ключи для идентификации.

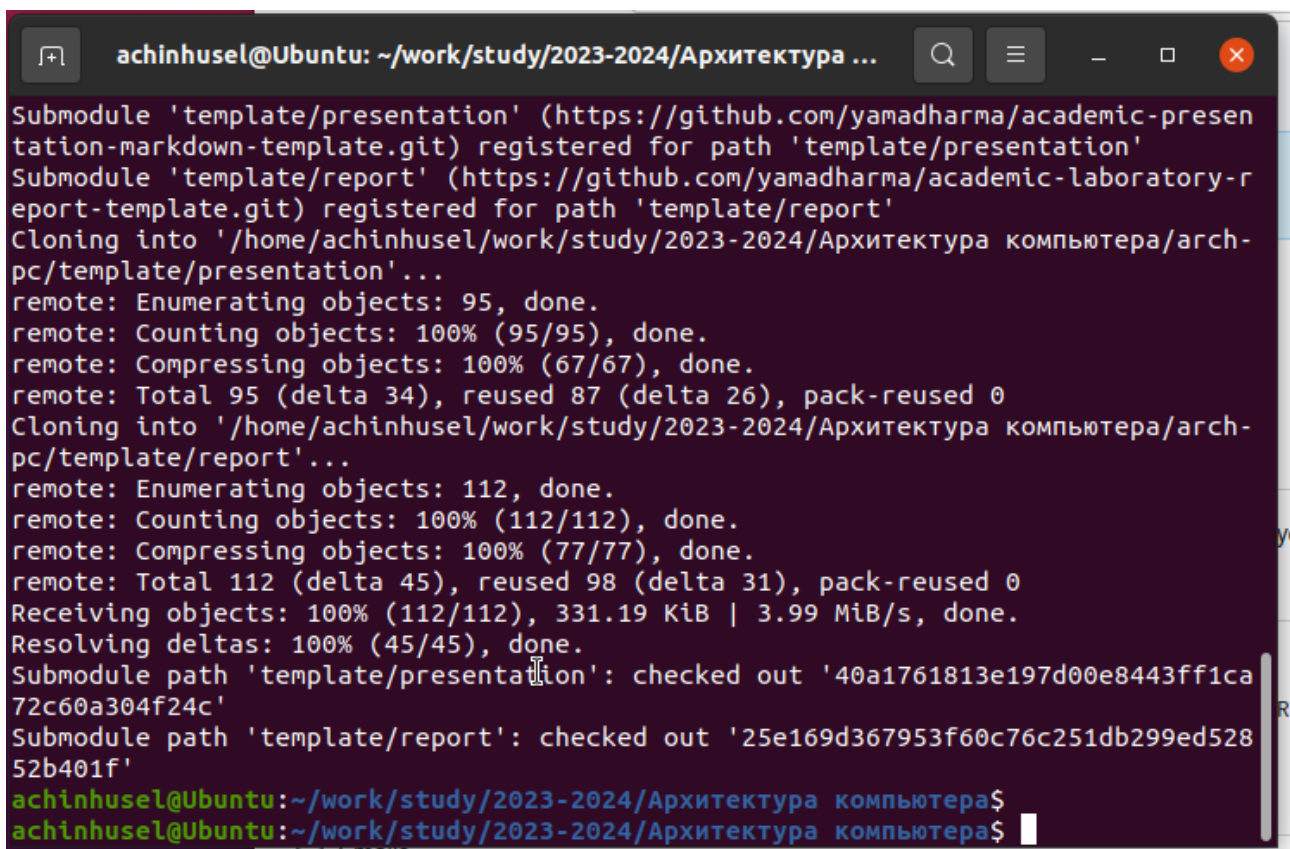
```
achinhusel@Ubuntu:~$ git config --global core.safecrlf warn  
achinhusel@Ubuntu:~$ ssh-keygen -C "achinhusel 1032225659@pfur.ru"  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/achinhusel/.ssh/id_rsa):  
Created directory '/home/achinhusel/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/achinhusel/.ssh/id_rsa  
Your public key has been saved in /home/achinhusel/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:MqkQg5fy0i/62eBm1RKcgK3rkLf9pCWFBxwB0/UjVek achinhusel 1032225659@pfur.ru  
The key's randomart image is:  
+---[RSA 3072]---+  
| o    . . . . . |  
|..O.  + o  .   |  
|o.=o .o o o.   |  
|. = o++ o o .E  |  
|.o+ .o0 S      |  
|+..oo+.+       |  
|o.o++o         |  
| ++.=          |  
|.++ o..        |  
+---[SHA256]-----+  
achinhusel@Ubuntu:~$
```

И добавляю ключ в профиль на гитхабе



The screenshot shows the GitHub profile page for user 'achinhusel'. The left sidebar contains navigation links: Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, and Emails. The main content area is titled 'SSH keys' and includes a 'New SSH key' button. Below this, a message states: 'This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.' Under the heading 'Authentication Keys', there is a single key entry with a key icon, the label '1', the SHA256 hash 'MqkQg5fy01/62eBm1RKcgK3rkLF9pCWfbXwB0/UjVek', the date 'Added on Nov 9, 2023', and the permissions 'Never used — Read/write'. A 'Delete' button is located to the right of the key entry. At the bottom, a link points to a guide for generating SSH keys or troubleshooting common SSH problems.

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



```
achinhusel@Ubuntu: ~/work/study/2023-2024/Архитектура ...
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/achinhusel/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/achinhusel/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 | 3.99 MiB/s, done.
Resolving deltas: 100% (45/45), done.
Submodule path 'template/presentation': checked out '40a1761813e197d00e8443ff1ca72c60a304f24c'
Submodule path 'template/report': checked out '25e169d367953f60c76c251db299ed52852b401f'
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера$
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера$
```

Создаю курс

Отправляю в гитхаб

```
achinhusel@Ubuntu: ~/work/study/2023-2024/Архитектура ...
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/pandocattribut
es.py
create mode 100644 presentation/report/report.md
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ git pus
h
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 | 2.78 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:achinhusel/arch-pc.git
85b1ef5..25cf202 master -> master
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$
```

Загрузка отчета

```
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ git add
.
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ git com
mit -am "add lab 1"
[master 247eb19] add lab 1
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 labs/lab01/л01_отчет.docx
create mode 100644 labs/lab01/л01_отчет.pdf
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$ git pus
h
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 6 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 1.67 MiB | 2.46 MiB/s, done.
Total 6 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:achinhusel/arch-pc.git
25cf202..247eb19 master -> master
achinhusel@Ubuntu:~/work/study/2023-2024/Архитектура компьютера/arch-pc$
```

**Вывод:**

В ходе выполнения работы изучили работу с GitHub.