

Операционные системы

Управление версиями

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2025-12-22

1. Цели и задачи работы
2. Процесс выполнения лабораторной работы
3. Выводы по проделанной работе

1. 1. Цели и задачи работы

1.1 Цель лабораторной работы

Целью данной работы является изучение идеологии и применения средств контроля версий и освоение умений работать с git.

2. 2. Процесс выполнения лабораторной работы

2.1 Глобальные параметры репозитория

```
aibozorova@aibozorova:~$  
aibozorova@aibozorova:~$ git config --global user.name "aibozorova"  
aibozorova@aibozorova:~$ git config --global user.email "1132250410@rudn.ru"  
aibozorova@aibozorova:~$ git config --global core.quotepath false  
aibozorova@aibozorova:~$ git config --global init.defaultBranch master  
aibozorova@aibozorova:~$ git config --global core.autocrlf input  
aibozorova@aibozorova:~$ git config --global core.safecrlf warn  
aibozorova@aibozorova:~$
```

Рисунок 1: Параметры репозитория

2.2 Добавляем GPG ключ в аккаунт



- Public profile
- Account
- Appearance
- Accessibility
- Notifications
- Access
- Billing and licensing
- Emails
- Password and authentication
- Sessions
- SSH and GPG keys**
- Organizations
- Enterprises
- Moderation
- Code, planning, and automation
- Repositories

SSH keys

[New SSH key](#)

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

Authentication keys

 1
SHA256:CpScvqyshK1hfRws315Ts3cZotJEmcdYgfVY6vAN23A
Added on Oct 9, 2025
Last used within the last 3 months — Read/write


Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

[New GPG key](#)

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


 1
Email address: 1132250410@rudn.ru
Key ID: 0AFE9D4EFCDC667C
Subkeys: 99F26EF835D33C56
Added on Feb 17, 2026


Рисунок 2: GPG ключ

2.3 Настройка gh

```
aibozorova@aibozorova:~$ mkdir -p ~/work/study/2025-2026/"Операционные системы"
aibozorova@aibozorova:~$ cd ~/work/study/2025-2026/"Операционные системы"
aibozorova@aibozorova:~/work/study/2025-2026/Операционные системы$ gh repo create 2026-1--study--os-intro --templ
ate=yamadharma/course-directory-student-template --public
✓ Created repository aibozorova/2026-1--study--os-intro on github.com
https://github.com/aibozorova/2026-1--study--os-intro
aibozorova@aibozorova:~/work/study/2025-2026/Операционные системы$ git clone --recursive git@github.com:aibozorov
a/2026-1--study--os-intro.git 2026-1--study--os-intro
Cloning into '2026-1--study--os-intro'...
The authenticity of host 'github.com (140.82.121.3)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdKkr4UvC0qU.
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.
remote: Enumerating objects: 40, done.
remote: Counting objects: 100% (40/40), done.
remote: Compressing objects: 100% (38/38), done.
remote: Total 40 (delta 1), reused 28 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (40/40), 25.25 KiB | 103.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presentation-markdown-template.git) reg
istered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-report-template.git) registered fo
r path 'template/report'
Cloning into '/home/aibozorova/work/study/2025-2026/Операционные системы/2026-1--study--os-intro/template/present
ation'...
```

Рисунок 3: Связь репозитория с аккаунтом

2.4 Подготовка репозитория

```
create mode 100644 project-personal/stage06/presentation/os-intro--project-personal--stage06--presentation.  
create mode 100644 project-personal/stage06/report/.gitignore  
create mode 100644 project-personal/stage06/report/.marksman.toml  
create mode 100644 project-personal/stage06/report/.projectile  
create mode 100644 project-personal/stage06/report/Makefile  
create mode 100644 project-personal/stage06/report/_extensions/yamadharma/minted-quarto/_extension.yml  
create mode 100644 project-personal/stage06/report/_extensions/yamadharma/minted-quarto/minted-quarto.lua  
create mode 100644 project-personal/stage06/report/_quarto.yml  
create mode 100644 project-personal/stage06/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl  
create mode 100644 project-personal/stage06/report/_resources/tex/preamble.tex  
create mode 100644 project-personal/stage06/report/bib/cite.bib  
create mode 100644 project-personal/stage06/report/image/solvay.jpg  
create mode 100644 project-personal/stage06/report/os-intro--project-personal--stage06--report.qmd  
aibozorova@aibozorova:~/work/study/2025-2026/Операционные системы/2026-1--study--os-intro$ git push  
Enumerating objects: 109, done.  
Counting objects: 100% (109/109), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (90/90), done.  
Writing objects: 100% (106/106), 705.51 KiB | 4.93 MiB/s, done.  
Total 106 (delta 41), reused 0 (delta 0), pack-reused 0 (from 0)  
remote: Resolving deltas: 100% (41/41), completed with 1 local object.  
To github.com:aibozorova/2026-1--study--os-intro.git  
   34e4b9a..d42a85e  master -> master  
aibozorova@aibozorova:~/work/study/2025-2026/Операционные системы/2026-1--study--os-intro$
```

Рисунок 4: Подготовка репозитория

3. 3. Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.