

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ
Факультет физико-математических и естественных наук
Направление бизнес-информатика

ОТЧЕТ
ПО ЛАБОРАТОРНОЙ РАБОТЕ №2.

Дисциплина: “Архитектура компьютера и операционные системы”

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Группа: НБИбд-01-25

МОСКВА

2025

Цель работы: изучение идеологии и применения средств контроля версий, приобретение практических навыков по работе с системой контроля версий git.

Выполнение лабораторной работы.

1. Настройка github.

Создаю учётную запись на сайте <https://github.com/> и заполняю основные данные.

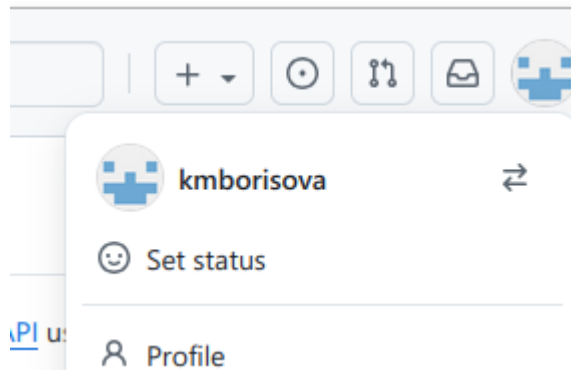


Рис 1.

2. Базовая настройка git.

Сначала сделаем предварительную конфигурацию git. Открываю терминал и ввожу следующие команды, указав свое имя и e-mail. Настраиваю utf-8 в выводе сообщений git. Задаю имя начальной ветки (будем называть её master). Задаю параметр autocrlf и safecrlf.

```
kmborisova@dk1n22 ~ $ git config --global user.name "<kmborisova>"
git config --global user.email "<xeniaborisova634@gmail.com>"
kmborisova@dk1n22 ~ $ git config --global core.quotepath false
kmborisova@dk1n22 ~ $ git config --global init.defaultBranch master
kmborisova@dk1n22 ~ $ git config --global core.autocrlf input
kmborisova@dk1n22 ~ $ git config --global core.safecrlf warn
```

Рис 2.

3. Создание SSH-ключа.

Сгенерировала пару ключей (приватный и открытый) для последующей идентификации на сервере репозитория. Сохранила ключи в каталоге ~/keys.

```

kmborisova@dk1n22 ~ $ ssh-keygen -C "kmborisova <xeniaborisova634@gmail.com>"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/k/m/kmborisova/.ssh/id_ed25519): keys
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in keys
Your public key has been saved in keys.pub
The key fingerprint is:
SHA256:GvhN3dBW3VcDy4LladAVp/K/SaDqih72HyxcdbyHE74 kmborisova <xeniaborisova634@gmail.com>
The key's randomart image is:
+--[ED25519 256]--+
|      . . . . +++++|
|      =o+.+ =|
|      ..BoB  .|
|      . .o+* + |
|      . . S. .B .|
|      ..=o   . * |
|      ooo.o . E o |
|      . + . o . o |
|      .o o++  o |
+-----[SHA256]-----+

```

Рис 3.

Загружаю сгенерированный открытый ключ на сайт <http://github.org/> под своей учётной записью.

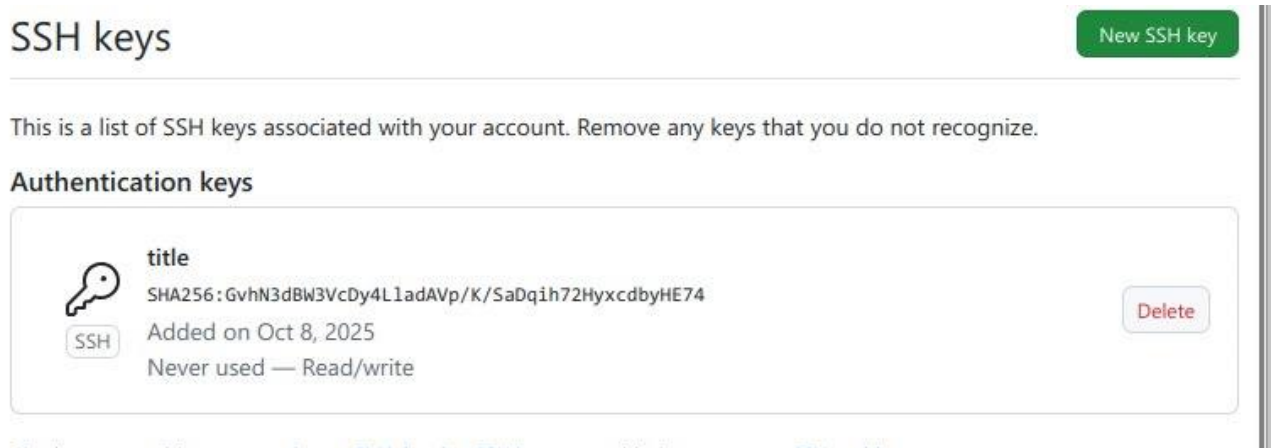


Рис 4.

Копирую из локальной консоли ключ в буфер обмена и указываю имя ключа.

```

kmborisova@dk1n22 ~ $ cat ~/.ssh/id_ed25519.pub | xclip -sel clip

```

Рис 5.

4. Создание рабочего пространства и репозитория курса на основе шаблона.

Открываю терминал и создаю каталог для предмета «Архитектура компьютера».

```

kmborisova@dk1n22 ~ $ mkdir -p ~/work/study/2025-2026/"Архитектура компьютера"
kmborisova@dk1n22 ~ $ cd ~/work/study/2025-2026/"Архитектура компьютера"

```

Рис 6.

5. Создание репозитория курса на основе шаблона.

Перехожу на станицу репозитория с шаблоном курса <https://github.com/yamadharma/course-directory-student-template>. Далее выбираю Use this template. В открывшемся окне задаю имя репозитория: study_2025–2026_arh-pc и создаю репозиторий. Открываю терминал и перехожу в каталог курса.

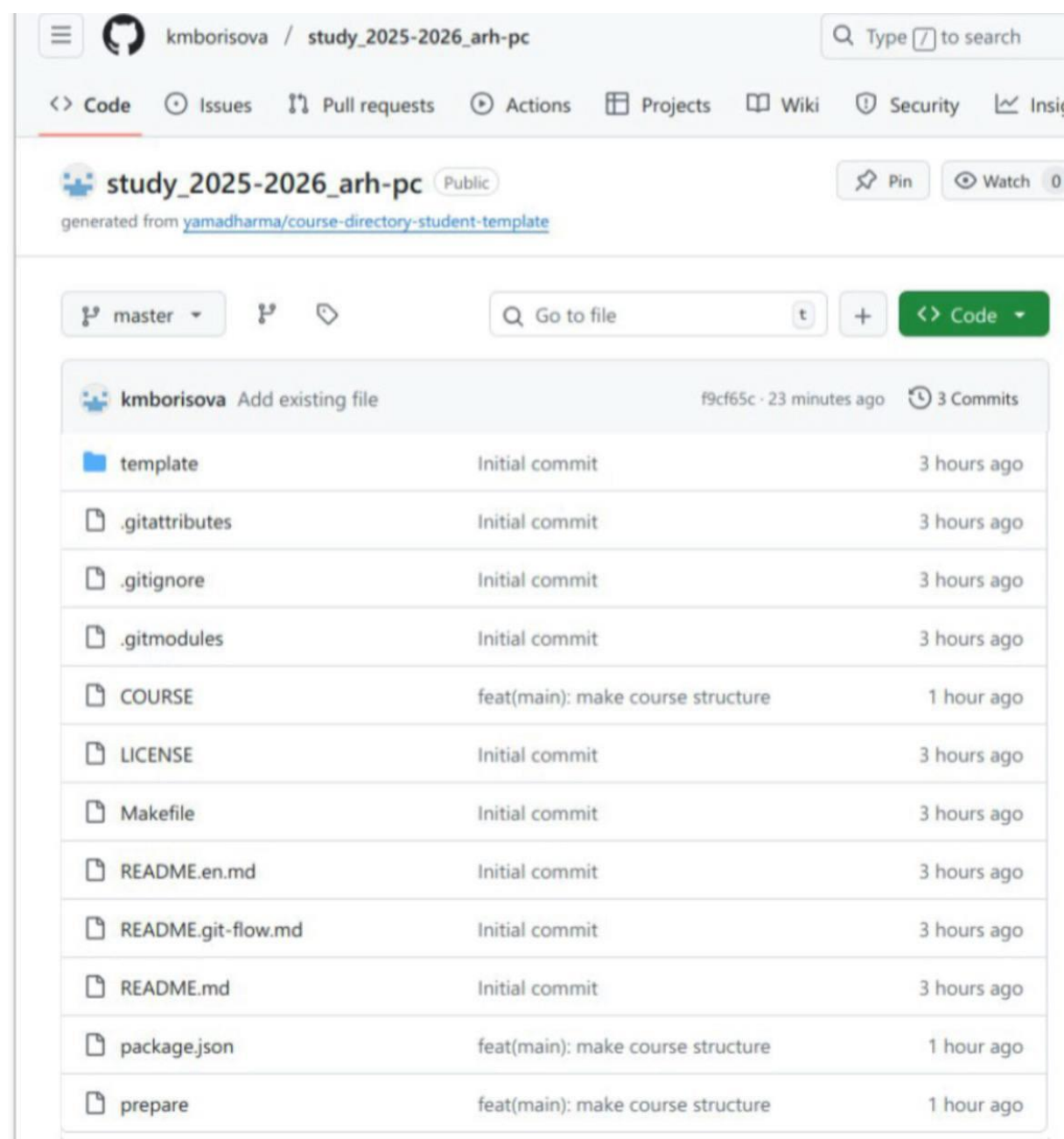


Рис 7.

Клонирую созданный репозиторий.

```

kmborisova@dkln22 ~/work/study/2025-2026/Архитектура компьютера. $ git clone --recursive https://github.com/kmborisova/study_2025-2026_arh-pc
Клонирование в «study_2025-2026_arh-pc»...
remote: Enumerating objects: 38, done.
remote: Counting objects: 100% (38/38), done.
remote: Compressing objects: 100% (36/36), done.
remote: Total 38 (delta 1), reused 28 (delta 1), pack-reused 0 (from 0)
Получение объектов: 100% (38/38), 23.53 КиБ | 23.53 МиБ/с, готово.
Определение изменений: 100% (1/1), готово.
Подмодуль «template/presentation» (https://github.com/yamadharma/academic-presentation-markdown-template.git) зарегистрирован по пути «template/presentation»
Подмодуль «template/report» (https://github.com/yamadharma/academic-laboratory-report-template.git) зарегистрирован по пути «template/report»
Клонирование в «/afs/.dk.sci.pfu.edu.ru/home/k/m/kmborisova/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/template/presentation»...
remote: Enumerating objects: 182, done.
remote: Counting objects: 100% (182/182), done.
remote: Compressing objects: 100% (122/122), done.
remote: Total 182 (delta 70), reused 162 (delta 50), pack-reused 0 (from 0)
Получение объектов: 100% (182/182), 2.65 МиБ | 6.42 МиБ/с, готово.
Определение изменений: 100% (70/70), готово.
Клонирование в «/afs/.dk.sci.pfu.edu.ru/home/k/m/kmborisova/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/template/report»...
remote: Enumerating objects: 239, done.
remote: Counting objects: 100% (239/239), done.
remote: Compressing objects: 100% (163/163), done.
remote: Total 239 (delta 105), reused 196 (delta 62), pack-reused 0 (from 0)
Получение объектов: 100% (239/239), 771.21 КиБ | 475.00 КиБ/с, готово.
Определение изменений: 100% (105/105), готово.
Submodule path 'template/presentation': checked out 'a1bc497b7b15dd240c7c105508f478f0bcc345e7'
Submodule path 'template/report': checked out '192c8bcd638d72c8ad0f3b98a67d4e7ed4c5db16'

```

Рис 8.

6. Настройка каталога курса.

Перехожу в каталог курса и создайте необходимые каталоги: `echo arch-pc > COURSE`
`make prepare`. Отправляю файлы на сервер.

```

kmborisova@dkln22 ~/work/study/2025-2026/Архитектура компьютера. $ cd study_2025-2026_arh-pc
kmborisova@dkln22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ echo arch-pc > COURSE
make prepare
kmborisova@dkln22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ git add .
git commit -am 'feat(main): make course structure'
git push
[master 031ac0c] feat(main): make course structure
260 files changed, 8746 insertions(+), 216 deletions(-)
delete mode 100644 CHANGELOG.md
create mode 100644 labs/README.md
create mode 100644 labs/README.ru.md
create mode 100644 labs/lab01/presentation/.gitignore
create mode 100644 labs/lab01/presentation/.marksman.toml
create mode 100644 labs/lab01/presentation/.projectile
create mode 100644 labs/lab01/presentation/Makefile
create mode 100644 labs/lab01/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab01/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab01/presentation/_assets/beamer.tex
create mode 100644 labs/lab01/presentation/_quarto.yml
create mode 100644 labs/lab01/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab01/presentation/arch-pc--lab01--presentation.qmd
create mode 100644 labs/lab01/presentation/image/kulyabov.jpg
create mode 100644 labs/lab01/report/.gitignore
create mode 100644 labs/lab01/report/.marksman.toml
create mode 100644 labs/lab01/report/.projectile
create mode 100644 labs/lab01/report/Makefile
create mode 100644 labs/lab01/report/_assets/preamble.tex
create mode 100644 labs/lab01/report/_quarto.yml
create mode 100644 labs/lab01/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab01/report/arch-pc--lab01--report.qmd
create mode 100644 labs/lab01/report/bib/cite.bib
create mode 100644 labs/lab01/report/image/solvay.jpg
create mode 100644 labs/lab02/presentation/.gitignore
create mode 100644 labs/lab02/presentation/.marksman.toml
create mode 100644 labs/lab02/presentation/.projectile
create mode 100644 labs/lab02/presentation/Makefile

```

Рис 9.


```
kmborisova@dkin22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ git push
Username for 'https://github.com': kmborisova
Password for 'https://kmborisova@github.com':
Перечисление объектов: 74, готово.
Подсчет объектов: 100% (74/74), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (58/58), готово.
Запись объектов: 100% (71/71), 700.97 КиБ | 25.03 МБ/с, готово.
Total 71 (delta 25), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (25/25), completed with 1 local object.
To https://github.com/kmborisova/study_2025-2026_arh-pc
   131c231..031ac0c  master -> master
kmborisova@dkin22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ ls
COURSE labs LICENSE Makefile package.json prepare presentation README.en.md README.git-flow.md README.md template
```

create mode 100644 presentation/report/bib/cite.bib

create mode 100644 presentation/report/image/solvay.jpg

```
create mode 100644 labs/lab10/report/bib/cite.bib
create mode 100644 labs/lab10/report/image/solvay.jpg
create mode 100644 labs/lab11/presentation/.gitignore
create mode 100644 labs/lab11/presentation/.marksman.toml
create mode 100644 labs/lab11/presentation/.projectile
create mode 100644 labs/lab11/presentation/Makefile
create mode 100644 labs/lab11/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab11/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab11/presentation/_assets/beamer.tex
create mode 100644 labs/lab11/presentation/_quarto.yml
create mode 100644 labs/lab11/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab11/presentation/arch-pc--lab11--presentation.qmd
create mode 100644 labs/lab11/presentation/image/kulyabov.jpg
create mode 100644 labs/lab11/report/.gitignore
create mode 100644 labs/lab11/report/.marksman.toml
create mode 100644 labs/lab11/report/.projectile
create mode 100644 labs/lab11/report/Makefile
create mode 100644 labs/lab11/report/_assets/preamble.tex
create mode 100644 labs/lab11/report/_quarto.yml
create mode 100644 labs/lab11/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab11/report/arch-pc--lab11--report.qmd
create mode 100644 labs/lab11/report/bib/cite.bib
create mode 100644 labs/lab11/report/image/solvay.jpg
create mode 100644 prepare
create mode 100644 presentation/README.md
create mode 100644 presentation/README.ru.md
create mode 100644 presentation/presentation/.gitignore
create mode 100644 presentation/presentation/.marksman.toml
create mode 100644 presentation/presentation/.projectile
create mode 100644 presentation/presentation/Makefile
create mode 100644 presentation/presentation/_assets/auto/beamer.el
create mode 100644 presentation/presentation/_assets/auto/preamble.el
create mode 100644 presentation/presentation/_assets/beamer.tex
create mode 100644 presentation/presentation/_quarto.yml
create mode 100644 presentation/presentation/_resources/image/logo_rudn.png
create mode 100644 presentation/presentation/arch-pc--presentation--presentation.qmd
create mode 100644 presentation/presentation/image/kulyabov.jpg
create mode 100644 presentation/report/.gitignore
create mode 100644 presentation/report/.marksman.toml
create mode 100644 presentation/report/.projectile
create mode 100644 presentation/report/Makefile
create mode 100644 presentation/report/_assets/preamble.tex
```

```
create mode 100644 labs/lab07/presentation/_quarto.yml
create mode 100644 labs/lab07/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab07/presentation/arch-pc--lab07--presentation.qmd
create mode 100644 labs/lab07/presentation/image/kulyabov.jpg
create mode 100644 labs/lab07/report/.gitignore
create mode 100644 labs/lab07/report/.marksman.toml
create mode 100644 labs/lab07/report/.projectile
create mode 100644 labs/lab07/report/Makefile
create mode 100644 labs/lab07/report/_assets/preamble.tex
create mode 100644 labs/lab07/report/_quarto.yml
create mode 100644 labs/lab07/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab07/report/arch-pc--lab07--report.qmd
create mode 100644 labs/lab07/report/bib/cite.bib
create mode 100644 labs/lab07/report/image/solvay.jpg
create mode 100644 labs/lab08/presentation/.gitignore
create mode 100644 labs/lab08/presentation/.marksman.toml
create mode 100644 labs/lab08/presentation/.projectile
create mode 100644 labs/lab08/presentation/Makefile
create mode 100644 labs/lab08/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab08/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab08/presentation/_assets/beamer.tex
create mode 100644 labs/lab08/presentation/_quarto.yml
create mode 100644 labs/lab08/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab08/presentation/arch-pc--lab08--presentation.qmd
create mode 100644 labs/lab08/presentation/image/kulyabov.jpg
create mode 100644 labs/lab08/report/.gitignore
create mode 100644 labs/lab08/report/.marksman.toml
create mode 100644 labs/lab08/report/.projectile
create mode 100644 labs/lab08/report/Makefile
create mode 100644 labs/lab08/report/_assets/preamble.tex
create mode 100644 labs/lab08/report/_quarto.yml
create mode 100644 labs/lab08/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab08/report/arch-pc--lab08--report.qmd
create mode 100644 labs/lab08/report/bib/cite.bib
create mode 100644 labs/lab08/report/image/solvay.jpg
create mode 100644 labs/lab09/presentation/.gitignore
create mode 100644 labs/lab09/presentation/.marksman.toml
create mode 100644 labs/lab09/presentation/.projectile
create mode 100644 labs/lab09/presentation/Makefile
create mode 100644 labs/lab09/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab09/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab09/presentation/_assets/beamer.tex
```

```
create mode 100644 labs/lab05/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab05/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab05/presentation/_assets/beamer.tex
create mode 100644 labs/lab05/presentation/_quarto.yml
create mode 100644 labs/lab05/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab05/presentation/arch-pc--lab05--presentation.qmd
create mode 100644 labs/lab05/presentation/image/kulyabov.jpg
create mode 100644 labs/lab05/report/.gitignore
create mode 100644 labs/lab05/report/.marksman.toml
create mode 100644 labs/lab05/report/.projectile
create mode 100644 labs/lab05/report/Makefile
create mode 100644 labs/lab05/report/_assets/preamble.tex
create mode 100644 labs/lab05/report/_quarto.yml
create mode 100644 labs/lab05/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab05/report/arch-pc--lab05--report.qmd
create mode 100644 labs/lab05/report/bib/cite.bib
create mode 100644 labs/lab05/report/image/solvay.jpg
create mode 100644 labs/lab06/presentation/.gitignore
create mode 100644 labs/lab06/presentation/.marksman.toml
create mode 100644 labs/lab06/presentation/.projectile
create mode 100644 labs/lab06/presentation/Makefile
create mode 100644 labs/lab06/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab06/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab06/presentation/_assets/beamer.tex
create mode 100644 labs/lab06/presentation/_quarto.yml
create mode 100644 labs/lab06/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab06/presentation/arch-pc--lab06--presentation.qmd
create mode 100644 labs/lab06/presentation/image/kulyabov.jpg
create mode 100644 labs/lab06/report/.gitignore
create mode 100644 labs/lab06/report/.marksman.toml
create mode 100644 labs/lab06/report/.projectile
create mode 100644 labs/lab06/report/Makefile
create mode 100644 labs/lab06/report/_assets/preamble.tex
create mode 100644 labs/lab06/report/_quarto.yml
create mode 100644 labs/lab06/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab06/report/arch-pc--lab06--report.qmd
create mode 100644 labs/lab06/report/bib/cite.bib
create mode 100644 labs/lab06/report/image/solvay.jpg
create mode 100644 labs/lab07/presentation/.gitignore
create mode 100644 labs/lab07/presentation/.marksman.toml
create mode 100644 labs/lab07/presentation/.projectile
create mode 100644 labs/lab07/presentation/Makefile
```

```
create mode 100644 labs/lab03/presentation/_assets/beamer.tex
create mode 100644 labs/lab03/presentation/_quarto.yml
create mode 100644 labs/lab03/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab03/presentation/arch-pc--lab03--presentation.qmd
create mode 100644 labs/lab03/presentation/image/kulyabov.jpg
create mode 100644 labs/lab03/report/.gitignore
create mode 100644 labs/lab03/report/.marksman.toml
create mode 100644 labs/lab03/report/.projectile
create mode 100644 labs/lab03/report/Makefile
create mode 100644 labs/lab03/report/_assets/preamble.tex
create mode 100644 labs/lab03/report/_quarto.yml
create mode 100644 labs/lab03/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab03/report/arch-pc--lab03--report.qmd
create mode 100644 labs/lab03/report/bib/cite.bib
create mode 100644 labs/lab03/report/image/solvay.jpg
create mode 100644 labs/lab04/presentation/.gitignore
create mode 100644 labs/lab04/presentation/.marksman.toml
create mode 100644 labs/lab04/presentation/.projectile
create mode 100644 labs/lab04/presentation/Makefile
create mode 100644 labs/lab04/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab04/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab04/presentation/_assets/beamer.tex
create mode 100644 labs/lab04/presentation/_quarto.yml
create mode 100644 labs/lab04/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab04/presentation/arch-pc--lab04--presentation.qmd
create mode 100644 labs/lab04/presentation/image/kulyabov.jpg
create mode 100644 labs/lab04/report/.gitignore
create mode 100644 labs/lab04/report/.marksman.toml
create mode 100644 labs/lab04/report/.projectile
create mode 100644 labs/lab04/report/Makefile
create mode 100644 labs/lab04/report/_assets/preamble.tex
create mode 100644 labs/lab04/report/_quarto.yml
create mode 100644 labs/lab04/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab04/report/arch-pc--lab04--report.qmd
create mode 100644 labs/lab04/report/bib/cite.bib
create mode 100644 labs/lab04/report/image/solvay.jpg
create mode 100644 labs/lab05/presentation/.gitignore
create mode 100644 labs/lab05/presentation/.marksman.toml
create mode 100644 labs/lab05/presentation/.projectile
create mode 100644 labs/lab05/presentation/Makefile
create mode 100644 labs/lab05/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab05/presentation/_assets/auto/preamble.el
```

```
create mode 100644 labs/lab01/presentation/Makefile
create mode 100644 labs/lab01/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab01/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab01/presentation/_assets/beamer.tex
create mode 100644 labs/lab01/presentation/_quarto.yml
create mode 100644 labs/lab01/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab01/presentation/arch-pc--lab01--presentation.qmd
create mode 100644 labs/lab01/presentation/image/kulyabov.jpg
create mode 100644 labs/lab01/report/.gitignore
create mode 100644 labs/lab01/report/.marksman.toml
create mode 100644 labs/lab01/report/.projectile
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create mode 100644 labs/lab01/report/_assets/preamble.tex
create mode 100644 labs/lab01/report/_quarto.yml
create mode 100644 labs/lab01/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab01/report/arch-pc--lab01--report.qmd
create mode 100644 labs/lab01/report/bib/cite.bib
create mode 100644 labs/lab01/report/image/solvay.jpg
create mode 100644 labs/lab02/presentation/.gitignore
create mode 100644 labs/lab02/presentation/.marksman.toml
create mode 100644 labs/lab02/presentation/.projectile
create mode 100644 labs/lab02/presentation/Makefile
create mode 100644 labs/lab02/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab02/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab02/presentation/_assets/beamer.tex
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create mode 100644 labs/lab02/report/.gitignore
create mode 100644 labs/lab02/report/.marksman.toml
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create mode 100644 labs/lab02/report/Makefile
create mode 100644 labs/lab02/report/_assets/preamble.tex
create mode 100644 labs/lab02/report/_quarto.yml
create mode 100644 labs/lab02/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab02/report/arch-pc--lab02--report.qmd
create mode 100644 labs/lab02/report/bib/cite.bib
create mode 100644 labs/lab02/report/image/solvay.jpg
create mode 100644 labs/lab03/presentation/.gitignore
create mode 100644 labs/lab03/presentation/.marksman.toml
create mode 100644 labs/lab03/presentation/.projectile
```

```

kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера. $ cd study_2025-2026_arh-pc
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ echo arch-pc > COURSE
make prepare
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ git add .
git commit -am 'feat(main): make course structure'
git push
[master 031ac0c] feat(main): make course structure
260 files changed, 8746 insertions(+), 216 deletions(-)
delete mode 100644 CHANGELOG.md
create mode 100644 labs/README.md
create mode 100644 labs/README.ru.md
create mode 100644 labs/lab01/presentation/.gitignore
create mode 100644 labs/lab01/presentation/.marksmen.toml
create mode 100644 labs/lab01/presentation/.projectile
create mode 100644 labs/lab01/presentation/Makefile
create mode 100644 labs/lab01/presentation/_assets/auto/beamer.el
create mode 100644 labs/lab01/presentation/_assets/auto/preamble.el
create mode 100644 labs/lab01/presentation/_assets/beamer.tex
create mode 100644 labs/lab01/presentation/_quarto.yml
create mode 100644 labs/lab01/presentation/_resources/image/logo_rudn.png
create mode 100644 labs/lab01/presentation/arch-pc--lab01--presentation.qmd
create mode 100644 labs/lab01/presentation/image/kulyabov.jpg
create mode 100644 labs/lab01/report/.gitignore
create mode 100644 labs/lab01/report/.marksmen.toml
create mode 100644 labs/lab01/report/.projectile
create mode 100644 labs/lab01/report/Makefile
create mode 100644 labs/lab01/report/_assets/preamble.tex
create mode 100644 labs/lab01/report/_quarto.yml
create mode 100644 labs/lab01/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab01/report/arch-pc--lab01--report.qmd
create mode 100644 labs/lab01/report/bib/cite.bib
create mode 100644 labs/lab01/report/image/solvay.jpg
create mode 100644 labs/lab02/presentation/.gitignore
create mode 100644 labs/lab02/presentation/.marksmen.toml
create mode 100644 labs/lab02/presentation/.projectile
create mode 100644 labs/lab02/presentation/Makefile

```

Рис 10.

Проверяю правильность создания иерархии рабочего пространства на странице github.

The screenshot shows the GitHub interface for the repository 'study_2025-2026_arh-pc' by user 'kmborisova'. The repository is public and was generated from 'yamadharm/course-directory-student-template'. The file browser shows a tree structure with folders 'labs', 'presentation', and 'template', and files like '.gitattributes', '.gitignore', '.gitmodules', 'COURSE', 'LICENSE', 'Makefile', 'README.en.md', 'README.git-flow.md', 'README.md', 'package.json', and 'prepare'. The commit history shows 3 commits, with the most recent being 'feat(main): make course structure' 1 hour ago. The 'About' section states 'No description, website, or topics provided.' and lists 0 stars, 0 watching, and 0 forks. The 'Releases' section shows 'No releases published' with a link to 'Create a new release'. The 'Packages' section shows 'No packages published' with a link to 'Publish your first package'. The 'Languages' section shows a bar chart with the following distribution: TeX (73.0%), Emacs Lisp (17.2%), Shell (6.6%), and Makefile (3.2%). The 'Suggested workflows' section is also visible at the bottom.

Рис 11.

7. Задание для самостоятельной работы.

1. Перехожу в каталог labs/lab02/report. Создаю в нем файл для отчета лабораторной работы №2. Проверяю, создались ли файлы.

```
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc $ cd labs/lab02/report
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab02/report $ touch Л02_Борисова_отчет
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab02/report $ ls
arch-pc--lab02--report.qmd _assets bib image Makefile _quarto.yml _resources Л02_Борисова_отчет
```

Рис 12.

2. Скопировала отчет по выполнению предыдущей лабораторной работы в соответствующий каталог созданного рабочего пространства. Создаю коммит отчеты по двум лабораторным работам. Сохраняю изменения на сервере, отправляю изменения в репозиторий.

```
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab01/report $ git add Л01_НБИ_ОТЧЕТ_БОРИСОВА.pdf
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab01/report $ cd ..
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab01 $ cd ..
bash: cd.: команда не найдена
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab01 $ cd ..
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs $ cd lab02/report
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab02/report $ git add Л02_Борисова_отчет
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab02/report $ git commit -m "Add existing file"
[master f9cf65c] Add existing file
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 labs/lab01/report/Л01_НБИ_ОТЧЕТ_БОРИСОВА.pdf
create mode 100644 labs/lab02/report/Л02_Борисова_отчет
```

Рис 13.

```
kmborisova@dk1n22 ~/work/study/2025-2026/Архитектура компьютера./study_2025-2026_arh-pc/labs/lab02/report $ git push -f origin master
Username for 'https://github.com': kmborisova
Password for 'https://kmborisova@github.com':
Перечисление объектов: 14, готово.
Подсчет объектов: 100% (14/14), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (8/8), готово.
Запись объектов: 100% (8/8), 950.17 КиБ | 22.62 МБ/с, готово.
Total 8 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 3 local objects.
To https://github.com/kmborisova/study_2025-2026_arh-pc
   031ac0c..f9cf65c  master -> master
```

Рис 14.

Перехожу в github и проверяю, правильно ли выполнены задания.

study_2025-2026_arh-pc / labs /

kmborisova Add existing file f9cf65c · 41 minutes ago History

Name	Last commit message	Last commit date
..		
lab01	Add existing file	41 minutes ago
lab02	Add existing file	41 minutes ago
lab03	feat(main): make course structure	1 hour ago

Рис 15.

Проверяю, находятся ли отчеты в соответствующих папках.

study_2025-2026_arh-pc / labs / lab02 / report /

kmborisova Add existing file f9cf65c · 44 minutes ago History

Name	Last commit message	Last commit date
..		
_assets	feat(main): make course structure	1 hour ago
_resources/csl	feat(main): make course structure	1 hour ago
bib	feat(main): make course structure	1 hour ago
image	feat(main): make course structure	1 hour ago
.gitignore	feat(main): make course structure	1 hour ago
.marksman.toml	feat(main): make course structure	1 hour ago
.projectile	feat(main): make course structure	1 hour ago
Makefile	feat(main): make course structure	1 hour ago
_quarto.yml	feat(main): make course structure	1 hour ago
arch-pc--lab02--report.qmd	feat(main): make course structure	1 hour ago
Л02_Борисова_отчет	Add existing file	44 minutes ago

Рис 16.



kmborisova Add existing file

f9cf65c · 43 minutes ago



History

Name	Last commit message	Last commit date
..		
_assets	feat(main): make course structure	1 hour ago
_resources/csl	feat(main): make course structure	1 hour ago
bib	feat(main): make course structure	1 hour ago
image	feat(main): make course structure	1 hour ago
.gitignore	feat(main): make course structure	1 hour ago
.marksman.toml	feat(main): make course structure	1 hour ago
.projectile	feat(main): make course structure	1 hour ago
Makefile	feat(main): make course structure	1 hour ago
_quarto.yml	feat(main): make course structure	1 hour ago
arch-pc--lab01--report.qmd	feat(main): make course structure	1 hour ago
ЛО1_НБИ_ОТЧЕТ_БОРИСОВА.pdf	Add existing file	43 minutes ago

Рис 17.

Вывод

В ходе выполнения лабораторной работы я приобрела практические знания пользования системой github. Разобрала команды clone, add, commit, push. Изучила структуру системы и научилась разбираться в ней.