

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ
Факультет физико-математических и естественных наук
Кафедра прикладной информатики

ОТЧЕТ
ПО ЛАБОРАТОРНОЙ РАБОТЕ № 3

Дисциплина: Архитектура компьютера

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МОСКВА

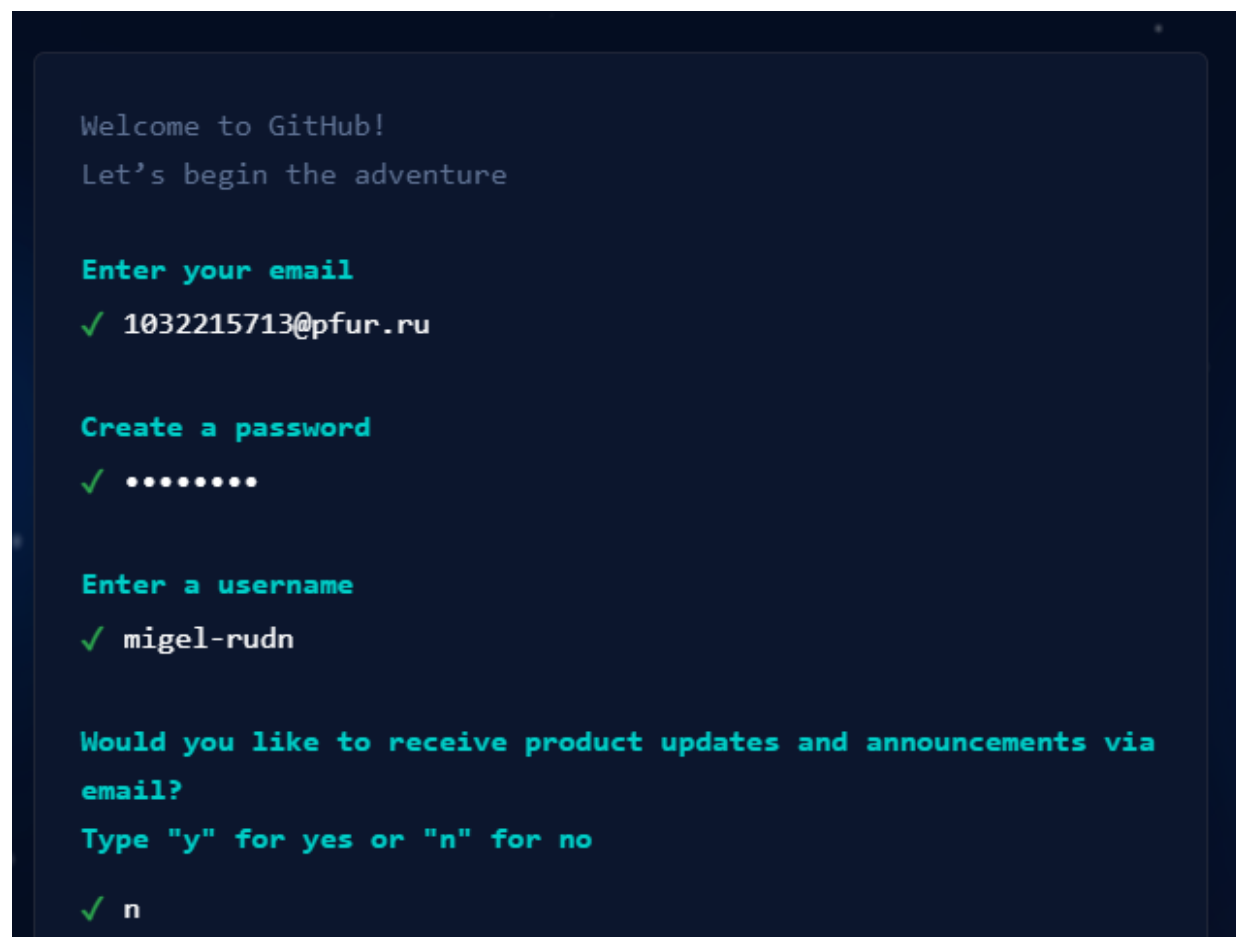
2022 г.

Цель работы

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

Ход работы

Создаю учетную запись на GitHub

A screenshot of a terminal window with a dark blue background and light blue text. The text shows the steps of creating a GitHub account: a welcome message, prompts for email, password, and username, each followed by a green checkmark and the entered value, and a final prompt for email notifications followed by a green checkmark and the response 'n'.

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

Enter your email
✓ 1032215713@pfur.ru

Create a password
✓ .....

Enter a username
✓ migel-rudn


Would you like to receive product updates and announcements via
email?
Type "y" for yes or "n" for no
✓ n
```

Создаю репозиторий на основе шаблона преподавателя

Create a new repository from course-directory-student-template

The new repository will start with the same files and folders as [yamadharm/course-directory-student-template](#).

Owner *

 migel-rudn ▾

Repository name *

arch-pc ✓

Great repository names are short and memorable. Need inspiration? How about [cuddly-octo-umbrella](#)?

Description (optional)

laboratory

☒



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.

☐

Include all branches

Copy all branches from yamadharm/course-directory-student-template and not just master.



You are creating a public repository in your personal account.

Create repository from template

Конфигурация пользователя

```
migel@VirtualBox: ~  
migel@VirtualBox:~$ git config --global user.name "migel-rudn"  
migel@VirtualBox:~$ git config --global user.email "1032215713@pfur.ru"  
migel@VirtualBox:~$  
migel@VirtualBox:~$ git config --global core.quotepath false  
migel@VirtualBox:~$ git config --global init.defaultBranch master  
migel@VirtualBox:~$ git config --global core.autocrlf input  
migel@VirtualBox:~$ git config --global core.safecrlf warn  
migel@VirtualBox:~$
```

SSH ключ для работы с репозиторием

```
migel@VirtualBox:~$ git config --global core.safecrlf warn
migel@VirtualBox:~$ ssh-keygen -C "migel-rudn 1032215713@pfur.ru"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/migel/.ssh/id_rsa):
Created directory '/home/migel/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/migel/.ssh/id_rsa
Your public key has been saved in /home/migel/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:NRq3DM91AWiJsAGZ/wqKaoqNtLLk5Z5FhehqMYIBzUU migel-rudn 1032215713@pfur.ru
The key's randomart image is:
+---[RSA 3072]-----+
|.o oE+o. . o...|
|. o + .o. + .|
|. . o..o.+ . .|
|... o X + .|
|oo . . .S =|
|. + o .|
| * o o .|
|O+= o .|
|@+o+|
+----[SHA256]-----+
migel@VirtualBox:~$
```

SSH keys / Add new

Title

1

Key type

Authentication Key

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQBGQCYNxkKEJoQRyeWChyFtgTLE93W4GPPyRNw5P
SgAbNW/6lu8m4SRTI2yc0mJmmsYqxKMqi4A4zyMxdGsSfISuZwXKtx1GfrC4p+AAWGVlp
Lv+2wl1u4okaMP3B5pElHs7t8fqUAXnk0miD97BQW9Y1oEIP7D2H+RtpxgLJJAMVvmUve
psWMzLXnYRbolMEeiJEL/Y5CCjaqTNSIZfcy05JeCCrxfqQ5TSzkF3tHGiYsiDaWMNZRaHZh
m5qtQ3E29klxp1EP/1rNOarON9lclIsA7LWNgNrb5ZwfrNuDDySaFGf5EQAG2Am2kxROyr
GQXD3HLbe+q748bS1AiVkaCpcCr7S94KtVy3yR+EyuZx9UV8CbDxy9ua+cZmKkRESNs4L
NtU1X8qT+YNBz2uhuGaw8dkebQ3WoN1klls3gDgDSysWLWNikrBeZG7HrznCsFA0QfkB
EwqpLh0jZiPGf0Jt8w/Ts+hTJtSdE55aDB9WbFbc8XI+MtENV+Z3usLbnZM= migel-rudn
```

Add SSH key

Клонировали репозиторий на компьютер

```
migel@VirtualBox: ~/work/study/2022-2023/Архитектура к...
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com,140.82.121.3' (ECDSA) to the list of know
n hosts.
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (25/25), done.
remote: Total 26 (delta 0), reused 17 (delta 0), pack-reused 0
Receiving objects: 100% (26/26), 16.39 KiB | 8.20 MiB/s, done.
Submodule 'template/presentation' (https://github.com/yamadharm/academic-presen
tation-markdown-template.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharm/academic-laboratory-r
eport-template.git) registered for path 'template/report'
Cloning into '/home/migel/work/study/2022-2023/Архитектура компьютера/arch-pc/te
mplate/presentation'...
remote: Enumerating objects: 71, done.
remote: Counting objects: 100% (71/71), done.
remote: Compressing objects: 100% (49/49), done.
remote: Total 71 (delta 23), reused 68 (delta 20), pack-reused 0
Cloning into '/home/migel/work/study/2022-2023/Архитектура компьютера/arch-pc/te
mplate/report'...
remote: Enumerating objects: 78, done.
remote: Counting objects: 100% (78/78), done.
remote: Compressing objects: 100% (52/52), done.
remote: Total 78 (delta 31), reused 69 (delta 22), pack-reused 0
Submodule path 'template/presentation': checked out '2703b47423792d472694aaf7555
a5626dce51a25'
Submodule path 'template/report': checked out 'df7b2ef80f8def3b9a496f8695277469a
1a7842a'
migel@VirtualBox:~/work/study/2022-2023/Архитектура компьютера$
```

Оформили курс по шаблону и загрузили в сетевой репозиторий

```
migel@VirtualBox: ~/work/study/2022-2023/Архитектура к...
create mode 100644 labs/lab10/presentation/Makefile
create mode 100644 labs/lab10/presentation/image/kulyabov.jpg
create mode 100644 labs/lab10/presentation/presentation.md
create mode 100644 labs/lab10/report/Makefile
create mode 100644 labs/lab10/report/bib/cite.bib
create mode 100644 labs/lab10/report/image/placeimg_800_600_tech.jpg
create mode 100644 labs/lab10/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab10/report/report.md
create mode 100644 labs/lab11/presentation/Makefile
create mode 100644 labs/lab11/presentation/image/kulyabov.jpg
create mode 100644 labs/lab11/presentation/presentation.md
create mode 100644 labs/lab11/report/Makefile
create mode 100644 labs/lab11/report/bib/cite.bib
create mode 100644 labs/lab11/report/image/placeimg_800_600_tech.jpg
create mode 100644 labs/lab11/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 labs/lab11/report/report.md
delete mode 100644 package.json
create mode 100644 prepare
migel@VirtualBox:~/work/study/2022-2023/Архитектура компьютера/arch-pc$ git push
Enumerating objects: 22, done.
Counting objects: 100% (22/22), done.
Delta compression using up to 6 threads
Compressing objects: 100% (16/16), done.
Writing objects: 100% (20/20), 310.94 KiB | 2.57 MiB/s, done.
Total 20 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:migel-rudn/arch-pc.git
 c4952e2..a8e63f7  master -> master
migel@VirtualBox:~/work/study/2022-2023/Архитектура компьютера/arch-pc$
```

Вывод:

В ходе выполнения работы изучили работу с GitHub.