

Отчет по лабораторной работе N2

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Создаем учетную запись на github.com

The screenshot shows the GitHub profile page for user 'leftarov33'. The profile is new, having joined 19 hours ago. The user's avatar is a circular placeholder with a light blue background and a dark blue GitHub logo. The profile name 'leftarov33' is displayed below the avatar, along with an 'Edit profile' button. The 'Joined 19 hours ago' status is shown with a clock icon. The navigation bar at the top includes links for Pull requests, Issues, Marketplace, and Explore. The main content area features a 'Popular repositories' section with one repository listed: 'study_2021-2022_os-intro', which is public and uses TeX as its primary language. Below this, the '5 contributions in the last year' section displays a calendar grid for the current year. The grid shows contributions for Monday, Wednesday, and Friday in April, with a total of 5 contributions. A link to 'Learn how we count contributions' is provided. At the bottom, the 'Contribution activity' section shows a timeline for April 2022, with a button to view contributions in 3D, VR, and IRL.

Search or jump to... Pull requests Issues Marketplace Explore

Overview Repositories 1 Projects Packages Stars

Popular repositories Customize your pins

[study_2021-2022_os-intro](#) Public

TeX

5 contributions in the last year Contribution settings

Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr

Mon

Wed

Fri

Learn how we count contributions

Less More

NEW! View your contributions in 3D, VR and IRL!

Contribution activity 2022

April 2022

```
[lfterov@lfterov tmp]$ git config --global user.name "lfterov33"  
[lfterov@lfterov tmp]$ git config --global user.name "lfterov_33@mail.ru"  
[lfterov@lfterov tmp]$ git config --global user.name "lfterov33"  
[lfterov@lfterov tmp]$ git config --global user.email "lfterov_33@mail.ru"  
[lfterov@lfterov tmp]$
```

Зададим имя и почту

Настроим utf-8 в выводе сообщений git, настройка верификации и подписание коммитов, зададим имя начальной ветки(будем называть ее master), параметр auticrlf, параметр safecrlf.

```
[lfterov@lfterov tmp]$ git config --global user.name "lfterov33"  
[lfterov@lfterov tmp]$ git config --global user.name "lfterov_33@mail.ru"  
[lfterov@lfterov tmp]$ git config --global user.name "lfterov33"  
[lfterov@lfterov tmp]$ git config --global user.email "lfterov_33@mail.ru"  
[lfterov@lfterov tmp]$ git config --global core.quotepath false  
[lfterov@lfterov tmp]$ git config --global init.defaultBranch master  
[lfterov@lfterov tmp]$ git config --global core.autocrlf input  
[lfterov@lfterov tmp]$ git config --global core.safecrlf warn  
[lfterov@lfterov tmp]$
```

Создание ключа ssh

```
[lfterov@lfterov tmp]$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/home/lfterov/.ssh/id_rsa):
Created directory '/home/lfterov/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/lfterov/.ssh/id_rsa
Your public key has been saved in /home/lfterov/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:T1ztv02/d9mrIZMrAEdCMMBSNmAzVFW6l9Qs9PRb1nY lfterov@lfterov
The key's randomart image is:
+---[RSA 4096]-----+
|+0*++o.o .          |
|ooo...o.= .  ..     |
|.   .oo + ..o.oE|
|.   .o.o. .+.. .|
|.   .ooS o.  .|
|.   .. o  .  .|
|.   . .+ .  =|
|.   . + .oB|
|.   .. ..+B|
+-----[SHA256]-----+
[lfterov@lfterov tmp]$
```

Добавление ключа на git

SSH keys

[New SSH key](#)

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



SSH

key

SHA256:mvV8b3Rs20nYZ/W+w/UTRGmAqzLZ5P7ybDwG/OTkq9E

Added on 23 Apr 2022

Last used within the last week — Read/write

[Delete](#)

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

Создание ключа pgp

```
[lfterov@lfterov tmp]$ gpg --list-secret-keys --keyid-format LONG
gpg: checking the trustdb
gpg: marginals needed: 3 completes needed: 1 trust model: pgp
gpg: depth: 0 valid: 3 signed: 0 trust: 0-, 0q, 0n, 0a, 0f, 3u
/home/lfterov/.gnupg/pubring.kbx
-----
sec   rsa4096/97DAC819134BB123 2022-04-22 [SC]
      A4A8E5B95F3BD2EB71E9FF2D97DAC819134BB123
uid           [ultimate] lfterov33 <lfterov_33@mail.ru>
ssb   rsa4096/4C857774398AF2ED 2022-04-22 [E]

sec   rsa4096/E78C03CC607B2F0C 2022-04-22 [SC]
      EB6F639C529E5C7E9C34CFC0E78C03CC607B2F0C
uid           [ultimate] lfterov33 <lfterov_33@mail.ru>
ssb   rsa4096/532E8761BA9C1F82 2022-04-22 [E]

sec   rsa4096/68868B62EE012505 2022-04-22 [SC]
      BB89E5C0F10CDF132C405FC468868B62EE012505
uid           [ultimate] lfterov33 <lfterov_33@mail.ru>
ssb   rsa4096/4E059E56B8E9A262 2022-04-22 [E]

[lfterov@lfterov tmp]$ gpg --armor --export | xclip -sel clip
```

Добавление ключа GPG

GPG keys

[New GPG key](#)

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



GPG

Email address: lefterov_33@mail.ru

Key ID: 97DAC819134BB123

Subkeys: 4C857774398AF2ED

Added on 23 Apr 2022

[Delete](#)

Learn how to [generate a GPG key and add it to your account](#).


```
usage: gpg [options] [filename]
[lfterov@lfterov tmp]$ git config --global user.signingkey 97DAC81913488123
[lfterov@lfterov tmp]$ git config --global commit.gpgsign true
[lfterov@lfterov tmp]$ git config --global gpg.program $(which gpg2)
```

Настройка автоматических подписей коммитов git

Настройка gh

```
lifterov@lifterov:~/tmp — gh auth login

[lifterov@lifterov tmp]$ gh auth login
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? [Use arrows to move, type to filter]
? What is your preferred protocol for Git operations? HTTPS
? Authenticate Git with your GitHub credentials? Yes
? How would you like to authenticate GitHub CLI? Login with a web browser

| First copy your one-time code: 398F-B19F
Press Enter to open github.com in your browser...
```

Шаблон для рабочего пространства

```
[left@left tmp]$ git clone --recursive https://github.com/yamadharma/course-directory-student-template.git
Cloning into 'course-directory-student-template'...
remote: Enumerating objects: 35, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (28/28), done.
remote: Total 35 (delta 7), reused 34 (delta 6), pack-reused 0
Receiving objects: 100% (35/35), 15.77 KiB | 15.77 MiB/s, done.
Resolving deltas: 100% (7/7), done.
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 '/tmp/course-directory-student-template/template/presentation'...
remote: Enumerating objects: 42, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 42 (delta 9), reused 40 (delta 7), pack-reused 0
Receiving objects: 100% (42/42), 31.19 KiB | 550.00 KiB/s, done.
Resolving deltas: 100% (9/9), done.
Cloning into '/tmp/course-directory-student-template/template/report'...
```

Создание репозитория курса на основе шаблона

```
Cloning into '/home/lefterov/work/study/2021-2022/OC/os-intro/template/presentation'...
remote: Enumerating objects: 42, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 42 (delta 9), reused 40 (delta 7), pack-reused 0
Receiving objects: 100% (42/42), 31.19 KiB | 725.00 KiB/s, done.
Resolving deltas: 100% (9/9), done.
Cloning into '/home/lefterov/work/study/2021-2022/OC/os-intro/template/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
Receiving objects: 100% (78/78), 292.27 KiB | 1.42 MiB/s, done.
Resolving deltas: 100% (31/31), done.
Submodule path 'template/presentation': checked out '3eae7b7586f8a9aded2b506cd1018e625b228b93'
Submodule path 'template/report': checked out 'df7b2ef80f8def3b9a496f8695277469a1a7842a'
[lefterov@lefterov OC]$ cd ~/work/study/2021-2022/"OC"/os-intro
[lefterov@lefterov os-intro]$
```

Настройка каталога курса

```
[lfterov@lfterov OC]$ cd ~/work/study/2021-2022/"OC"/os-intro
[lfterov@lfterov os-intro]$ rm package.json
[lfterov@lfterov os-intro]$ ls
config  Makefile      README.git-flow.md  template
LICENSE README.en.md  README.md
```

```
[lfterov@lfterov os-intro]$ git push
Enumerating objects: 20, done.
Counting objects: 100% (20/20), done.
Compressing objects: 100% (16/16), done.
Writing objects: 100% (19/19), 266.54 KiB | 2.17 MiB/s, done.
Total 19 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To github.com:lfterov33/study_2021-2022_os-intro.git
 d863a73..cd4b8f1 master -> master
[lfterov@lfterov os-intro]$
```

Выводы:

- В ходе выполнения данной лабораторной работы были приобретены практические навыки git на виртуальную машину, а также настройка дополнительных для работы сервисов.