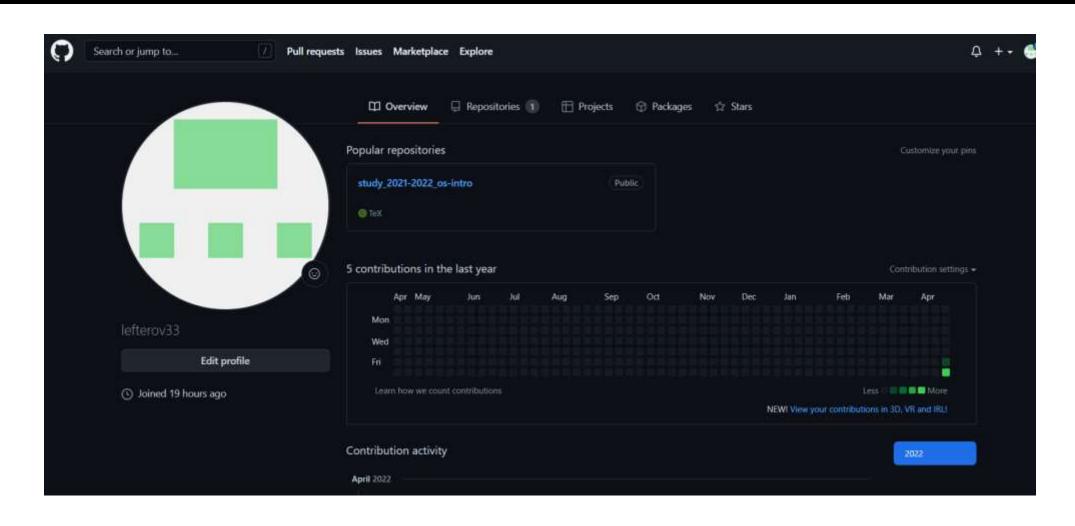
Отчет по лабораторной работе N2

Лефтеров Игорь Иванович

Создаем учетную запись на github.com



```
[lefterov@lefterov tmp]$ git config --global user.name "lefterov33"
[lefterov@lefterov tmp]$ git config --global user.name "lefterov_33@mail.ru"
[lefterov@lefterov tmp]$ git config --global user.name "lefterov33"
[lefterov@lefterov tmp]$ git config --global user.email "lefterov_33@mail.ru"
[lefterov@lefterov tmp]$
```

Зададим имя и почту

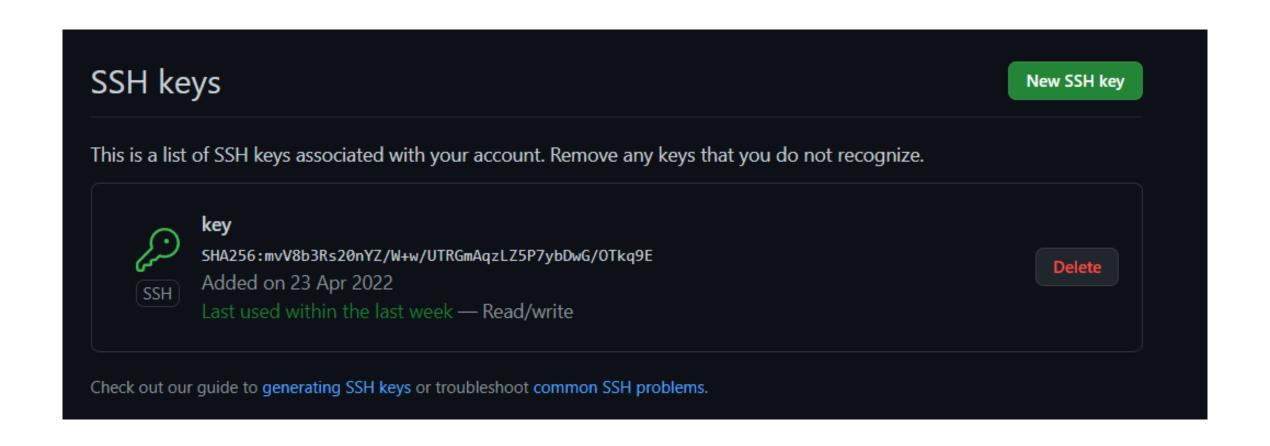
Hacтpoum utf-8 в выводе сообщений git, настройка верификации и подписание коммитов, зададим имя начальной ветки(будем называть ee master), параметр auticrlf, параметр safecrlf.

```
[lefterov@lefterov tmp]$ git config --global user.name "lefterov33"
[lefterov@lefterov tmp]$ git config --global user.name "lefterov_33@mail.ru"
[lefterov@lefterov tmp]$ git config --global user.name "lefterov33"
[lefterov@lefterov tmp]$ git config --global user.email "lefterov_33@mail.ru"
[lefterov@lefterov tmp]$ git config --global core.quotepath false
[lefterov@lefterov tmp]$ git config --global init.defaultBranch master
[lefterov@lefterov tmp]$ git config --global core.autocrlf input
[lefterov@lefterov tmp]$ git config --global core.safecrlf warn
[lefterov@lefterov tmp]$
```

Создание ключа shh

```
[lefterov@lefterov tmp]$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/home/lefterov/.ssh/id_rsa):
Created directory '/home/lefterov/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/lefterov/.ssh/id_rsa
Your public key has been saved in /home/lefterov/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:T1ztv02/d9mrIZMrAEdCMMBSNmAzVFW6l9Qs9PRb1nY lefterov@lefterov
The key's randomart image is:
+---[RSA 4096]----+
|+0*++o.o .
000...0.= . ..
     .00 + ..0.0E
     .0.0. .+.. .
      .ooS o. .
       .. 0 . .
          . + .oB|
           .. ..+B|
+----[SHA256]----+
[lefterov@lefterov tmp]$
```

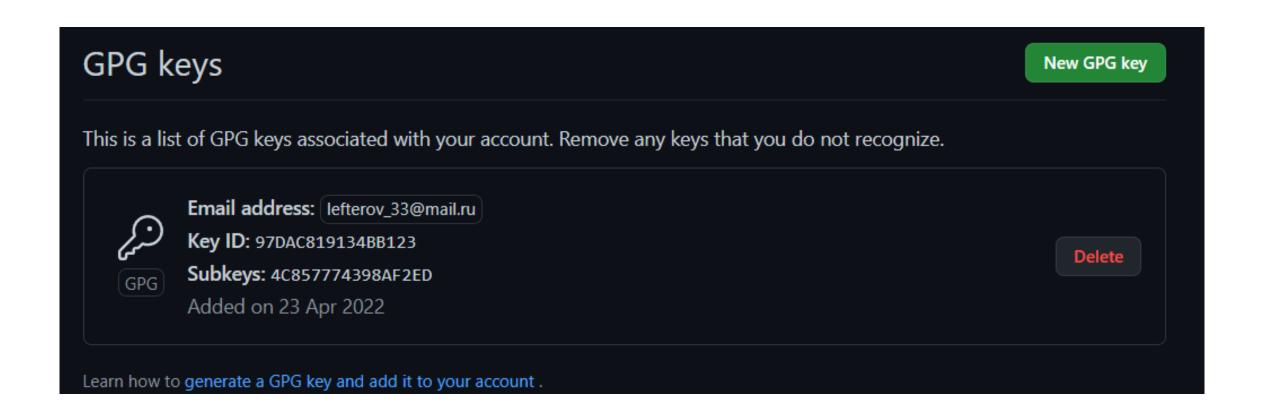
Добавление ключа на git



Создание ключа pgp

```
[lefterov@lefterov 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, 0m, 0m, 0f, 3w
/home/lefterov/.gnupg/pubring.kbx
     rsa4096/97DAC819134B8123 2022-84-22 [5C]
sec.
      A4A8E5B95F3BD2EB71E9FF2D97DAC819134BB123
u1d
                    [ultimate] lefterov33 <lefterov_33gmail.ru>
     rs-a4096/4C857774398AF2ED 2022-04-22 [E]
ssb
     rs-a4096/E78C03CC60782F00 2022-04-22 [SC]
Sec.
      E86F639C529E5C7E9C34CFC0E7.8C03CC687B2F0C
                    [ultimate] lefterov33 <lefterov_33@mail.ru>
uid
     rs.a4096/532E8761BA9C1F82 2022-04-22 [E]
ssb
     rs.a4096/68868B62EE012505 2022-04-22 [SC]
sec
      BB89E5C0F10CDF132C405FC468868B62EE012505
uid
                    [ultimate] lefterov33 <lefterov_33gmail.ru>
     rs.a4096/4E959E56B8E9A262 2022-04-22 [E]
esb.
[lefterov@lefterov tmp]$ gpg --armor --export | xclip -sel clip
```

Добавление ключа GPG



```
usage: gpg [options] [filename]
[lefterov@lefterov tmp]$ git config --global user.singingkey 97DAC819134BB123
[lefterov@lefterov tmp]$ git config --global commit.gpgsign true
[lefterov@lefterov tmp]$ git config --global gpg.program $(which gpg2)
```

Настройка автоматических подписей коммитов git

Настройка gh

```
terrerov@terrerov:/tmp — gn auth login
 5.4
[lefterov@lefterov 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?
 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

```
[lefterov@lefterov 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: 180% (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 HiB/s, done.
Resolving deltas: 100% (7/7), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presentation-markdown-templ
ate.git) registered for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-report-template.git)
egistered 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: 180% (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/present
  ation'...
  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.
Paremote: 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
SReceiving objects: 100% (78/78), 292.27 KiB | 1.42 MiB/s, done.
  Resolving deltas: 100% (31/31), done.
 Submodule path 'template/presentation': checked out '3eaebb7586f8a9aded2b506cd
  1018e625b228b93'
  Submodule path 'template/report': checked out 'df7b2ef80f8def3b9a496f869527746
  9a1a7842a'
  [lefterov@lefterov OC]$ cd ~/work/study/2021-2022/"OC"/os-intro
  [lefterov@lefterov_os-introls
```

```
[lefterov@lefterov OC]$ cd ~/work/study/2021-2022/"OC"/os-intro

[lefterov@lefterov os-intro]$ rm package.json

[lefterov@lefterov os-intro]$ ls

config Makefile README.git-flow.md template

LICENSE README.en.md README.md

[lefterov@lefterov os-intro]$
```

```
[lefterov@lefterov 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:lefterov33/study_2021-2022_os-intro.git
    d863a73..cd4b8f1 master -> master
[lefterov@lefterov os-intro]$
```

Настройка каталога курса

Выводы:

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