

Отчет по лабораторной работе №2

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Работа с Github

- Создаем и синхронизируем учетную запись с компьютером

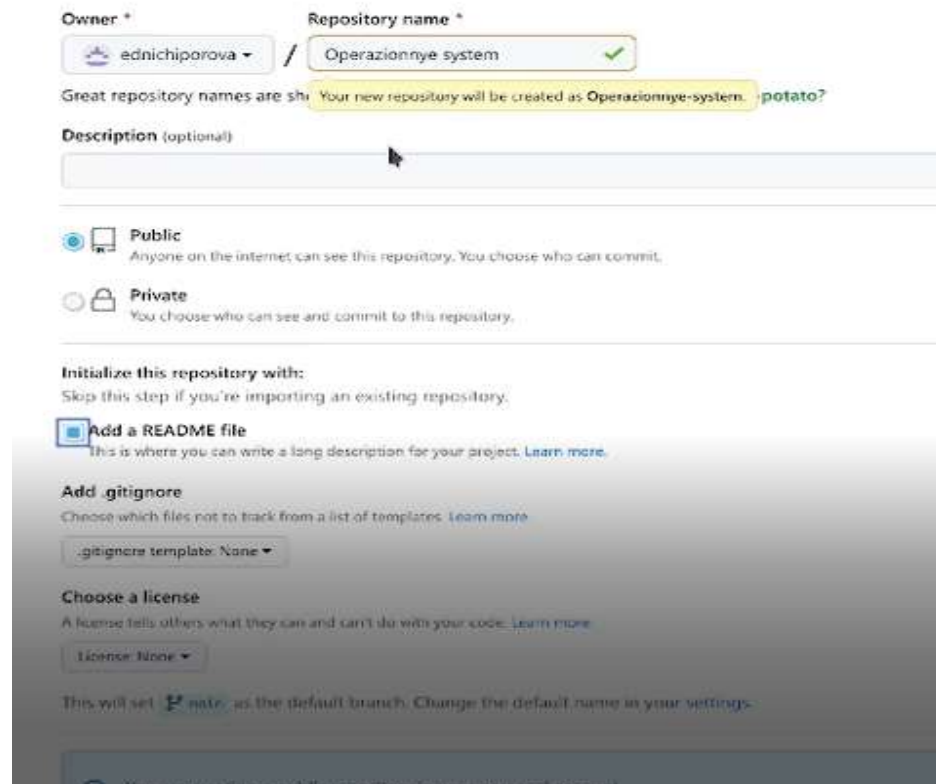
```
ednichiporova@dk4n71 ~$ git config --global user.Elena.Nichiporova
ednichiporova@dk4n71 ~$ git config --global user.helen.nich@mail.ru
```

- Создаем новый ключ на github и привязываем его через консоль

```
ednichiporova@dk4n71 ~ $ ssh-keygen -C"Elena.nichiporova<helen.nich@mail.ru>"
Generating public/private rsa key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/e/d/ednichiporova/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /afs/.dk.sci.pfu.edu.ru/home/e/d/ednichiporova/.ssh/id_rsa
Your public key has been saved in /afs/.dk.sci.pfu.edu.ru/home/e/d/ednichiporova/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:6j4zqlLn/sSVUoQL01IvsL6Mz7G6vCovxF6E9cmly10 Elena.nichiporova<helen.nich@mail.ru>
The key's randomart image is:
+---[RSA 3072]-----+
|
|  o o + .
| . . * o E
| . . o = S
| .ooo. = =
| <=+++. +
|Xoo+oo+
|O#Xo+++
+----[SHA256]-----+
ednichiporova@dk4n71 ~ $ cat ~/.ssh/id_rsa.pub | xclip -sel clip
ednichiporova@dk4n71 ~ $
```

Создание репозитория

- В github заходим в “repository” и создаем новый репозиторий. Копируем в консоль ссылку на репозиторий для дальнейшей работы с файлами



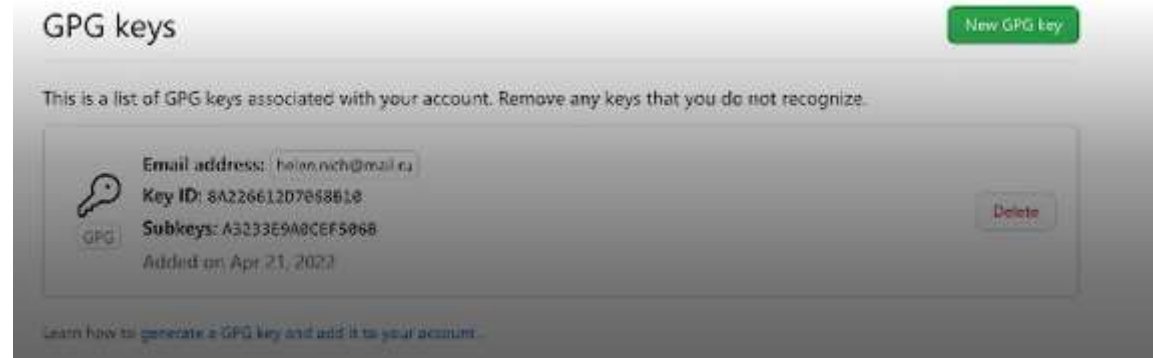
The screenshot shows the GitHub 'Create new repository' form. At the top, the 'Owner' is set to 'ednichiporova' and the 'Repository name' is 'Operazionnye system', which is highlighted with a green checkmark. Below this, a message states: 'Your new repository will be created as Operazionnye-system. potato?'. The 'Description (optional)' field is empty. Under the 'Visibility' section, 'Public' is selected with a radio button, and a description says 'Anyone on the internet can see this repository. You choose who can commit.' Below that, 'Private' is also visible with a description 'You choose who can see and commit to this repository.' The 'Initialize this repository with:' section has a note 'Skip this step if you're importing an existing repository.' and three options: 'Add a README file' (selected with a blue square), 'Add .gitignore' (with a dropdown set to 'None'), and 'Choose a license' (with a dropdown set to 'None'). At the bottom, it says 'This will set potato as the default branch. Change the default name in your settings.'

Создание ключа ргр

- Далее создаем ключ ргр с помощью команды `gpg --full-generate-key`, копируем его через консоль, переходим в настройки github и вставляем полученный ключ

```
ednichiporova@dk4n71 ~ $ gpg --armor --export 8A226612D7068B10
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQINBGJhRiABEADgiIknPg7hNQLTC1DnUNNurS52Yr0hebtHlK2Rc491I4qsQ/e
Z5fvY1b1nefXGRRHLC9WtY69i26xw8H41ufEHxumvfgHosJax0vt2ZLE0ppM+
oYdrq2JLZX6KjnzUBl0htsiZ59y2Aid4YGu1wF7FYIp8xg9iQheHxZMIkfACEGd
qiksV/R0TRC0ZErmdcsV7fS=DE27UXmw+Si4t8MlopEr9dUR/O2eV/yYg2HGxLL
fIKShR5gplupCzSZV4R2JJ1UqOxZYrFo14osjbQ+/eFC7e8jVA8wAnKaDhuHwXG
WuPLNCda1J+q+w+1PyMt0rWAv+WsPrQ4GJyuy/0LQ+PjN3KCgL3aRQBhH4rru8Fi
cX9VBVbe0DirEXomYfwIQ6vLAtC6WryY/GPY2PRf/qneyyJ4AfD59ADYYI00ccjqM
Tp/PxzWDEAZu/AzeXUS0wCik/wbAqZyUZUpca0R0HhYa0VXPYdnkwl+QcQNZ51m6
ZbMbUfCwSATCft8G2nyu09fCCfhnQUJF/EmXDUrx3Hw6+nediWneZY5vYo3yumuS
Ls95R8kPD6mTpvme10FzG6XynzfGqUAAChFm+8FLpkJKNRC0WIVbIHwJMSHJ111
sN10jQ9iF0kXf4+tfvudb6fr1YcBn0U0fn+baR0xn1U30c4V1+3rNAj3bwAQAQu
tBpFbGVuY5A8aGVsZW4ubmljaEBtYw1sLnJ1PokTgQTAQgA0BYh8ft5yp1QJ29m
PAZ61mciZhlXBosQ8QJiYUyGhAsD8QsJCAcCBhIKCQgLAQQAQgMBAh4BAhAAAJ
EioiZhlXBosQbe4QAICkCM6e7g1onnp8YV10SCo42fxcW7rDg+b1M1TYCW1v91ff
q7W1o3KnZrVjNAUI+tXksph5UtwjGTgZaoNVpuIkng+vg7o9z1uyyN1ns5gT1aQD
368S7jEQLOCiTFKzr7Iaipd6enhs0Rm5N2RxczJWPurv8jZgtuR8PTSDgehiVfql
HJ0TsL7jYp1kSf10Pihab1R10RuZ1w8zcm15wiXugU1Zg1tJvEq/oiUEWj/U+Db
4GQ+ZddbfS8DRNhMpczrJBMJjbbXbCKclfiVZv1i0MsjEMCJT1WJYb7d749WVxpH
wydIIXETSIjTdKa1SaTeuVwD4i8BkgZs65Qq0pbib1Jhjp+0GEXGr+MBT1Umkkaw1
R+19UyW7QYWN1S5K/wm3/EBLhUijSf1JRETpnCzCVvrnofM0s+eqyQY0s6QJ+4ts
ca5JjY6zf8hnTPpRBRr7UB/JaiKZB45r6hJjISNwF1/A117iCmTSQguw6MLEokS
FKF815v8d09/issc1DxdT+zwQjs56HkdjOnPnaJXg83R1QVN23y2Mhn0a2x0TLf
VJg3xbhJio/R0d+1RRcZ53w132Et0xL10s5+eKyU5MKY4rHhZSn2knz+q7yryHg
KaSP97EDcN8Jrv0SjQpG00CshK+AZjAit1c8HTAZy0+3wpGU7F2HUS3/C4uQIN
BGJhRiABEADVS12+HA0fkbK4yMMeYoEvv9or0BK6kd3Ez0QTHZGLw/NqllankJKcH
m1rvpRVHuaXsnXWm18J27db+0umknw1hrasJsw/NKsCEQWPy/m1/sacSimp9hg
x1urmuYBfQ429r2DEjLw7Xk317xtibmflmYRfVxf0ntn60m0uFVPqYh5eMjBkgK
gb9NFKH1pW4/7X2X/x5QeHFEITyJb6B39f4V7Hii/Nm0JDMiQfKYMkH8G1kDsCZ
inzWqdNsYf6mS/Dnz0wAmYNxetLS6e5XK1uUmK14e/fuU/biKbovAWicpLYZecez
```




Создание репозитория курса на основе шаблона

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


The new repository will start with the same files and folders as yamadhama/course-directory-student-template.


Owner * Repository name *

 ednichiporova / study_2021-2022_os-intro.git ✓


Great repository names are short, lowercase, and contain only numbers, letters, and hyphens. Your new repository will be created as study_2021-2022_os-intro-eureka?

Description (optional)

☒  **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 yamadhama/course-directory-student-template and not just master.

 Creating repository...

Вывод

- В данной лабораторной работе я научилась работать с Github (создавать и привязывать учетную запись к компьютеру). Разобрала основные команды git и рассмотрела как их применять их при работе с Github. Изучила идеологию и научилась применять средства контроля версий.