

# **РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ**

**Факультет физико-математических и естественных наук**

**Кафедра прикладной информатики и ТВ**

## **ОТЧЕТ**

### **ПО ЛАБОРАТОРНОЙ РАБОТЕ №1**

дисциплина: Математическое моделирование

Студент: Хусайнова Фароиз Дилшодовна,

№ студ.билет 1032185220

Группа: НКНбд-01-18

**МОСКВА**

2021 г.

## Цель работы

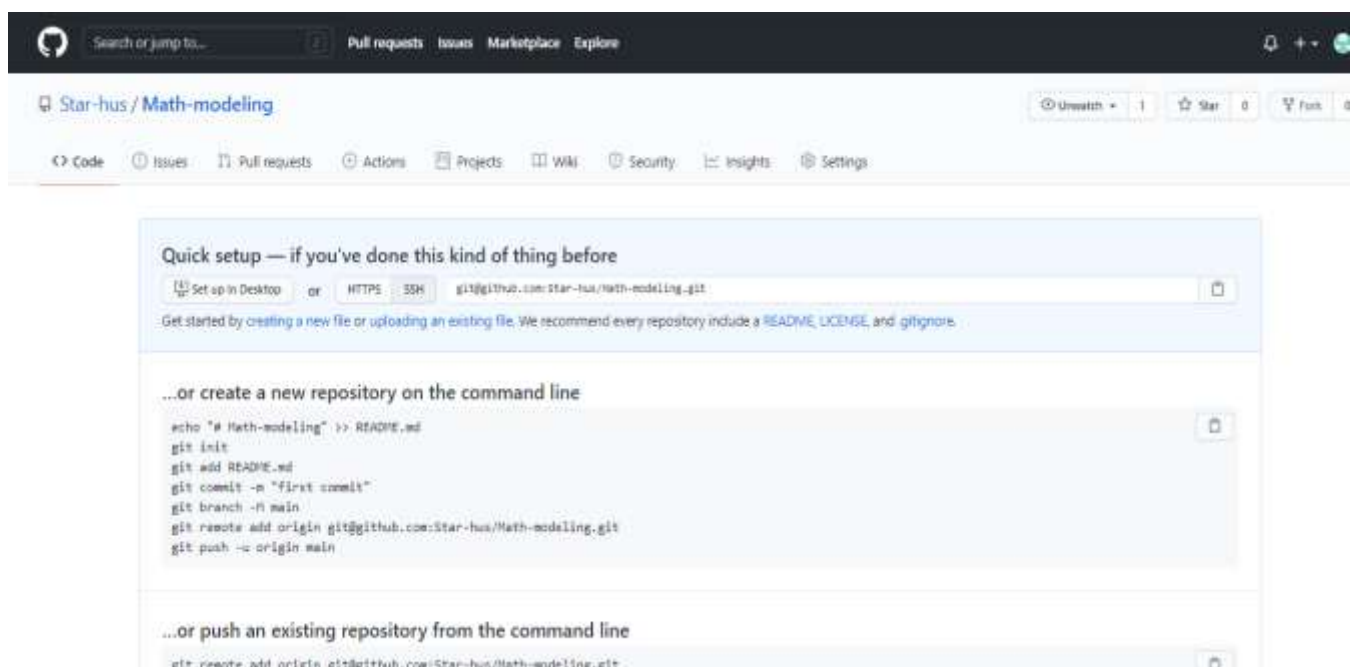
Освоить работу с программой контроля версий GIT и научиться пользоваться облегчённым языком разметки.

## Задание

1. Создать репозиторий.
2. Создать и загрузить файлы на github.
3. Сделать коммит и пуш на github.
4. Подключить SSH ключ к репозиторию.
5. Оформить отчет и презентацию в форматах pdf и markdown.

## Выполнение лабораторной работы

Создала репозиторий на GitHub



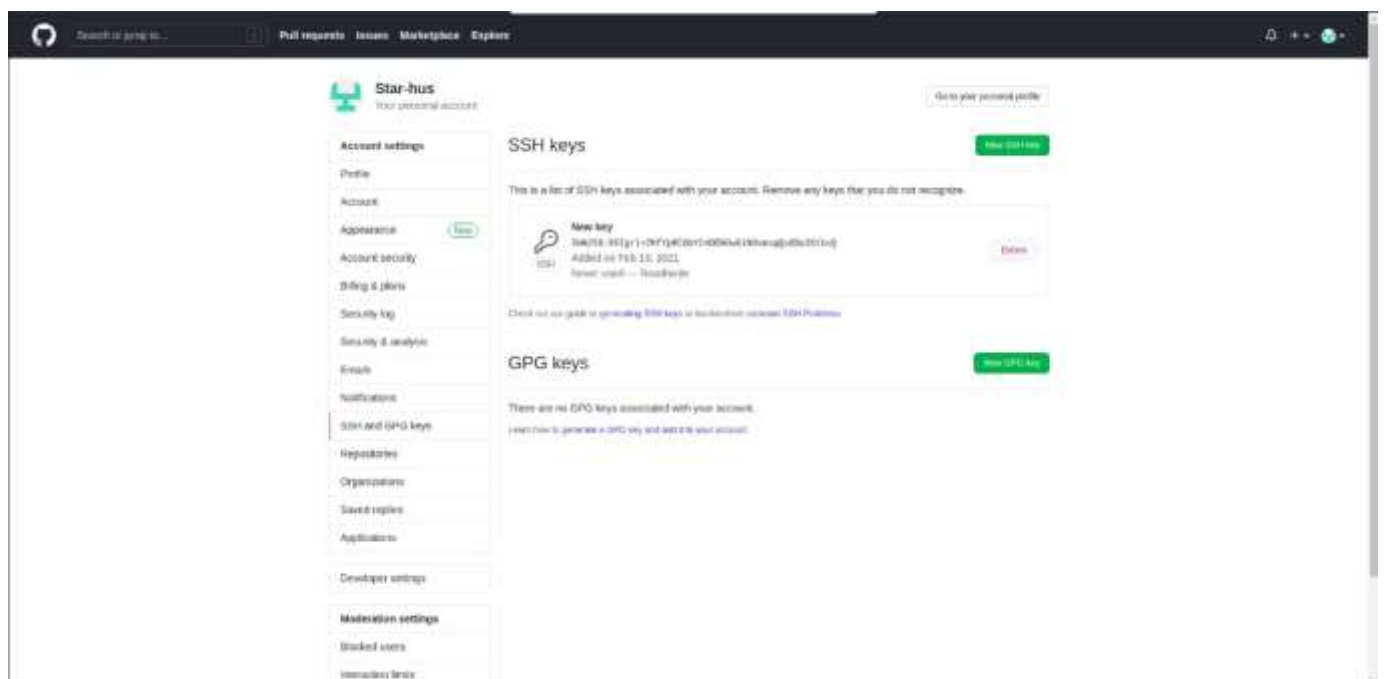
{рис. 1}

```
taw@taw-Inspiron-3576: ~/Desktop/work/2020-2021/Math-modelling/Labs
The most similar command is
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git remote add origin git@github.com:Hope-hue/firstLab.git
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git push -u origin master
Warning: Permanently added the RSA host key for IP address '140.82.121.3' to the list of known hosts.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 249 bytes | 249.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Hope-hue/firstLab/pull/new/master
remote:
To github.com:Hope-hue/firstLab.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git branch
* master
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ ls
Lab01 README.md
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ cd lab01
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs/Lab01$ git add .
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs/Lab01$ git commit -am 'feat(main): add directories'
[master 4999aad] feat(main): add directories
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab01/test.docx
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs/Lab01$ git remote add origin git@github.com:Hope-hue/firstLab.git
fatal: remote origin already exists.
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs/Lab01$ cd ..
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git add .
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git commit -am 'feat(main): add file'
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
taw@taw-Inspiron-3576:~/Desktop/work/2020-2021/Math-modelling/Labs$ git add .
```

{рис. 2}

Подключила SSH ключ к репозиторию.



{рис. 3}

```
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01$ ssh-keygen -t rsa -b 4096 -C "1032185220@pfur.ru"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/taw/.ssh/id_rsa): Faroiz
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in Faroiz
Your public key has been saved in Faroiz.pub
The key fingerprint is:
SHA256:BDx/wlCDDGWr7SzI+sFHyDbysC/0ewg4EYp0W05QVfc 1032185220@pfur.ru
The key's randomart image is:
+---[RSA 4096]-----+
|.==+.oo. .|
|.+=oo +.. .|
|+.oo o =. E|
|++ .. .+ .|
|=. * . So |
|=% o |
|=oO o |
|oo = . |
|.oo,o |
+----[SHA256]-----+
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01$ eval $(ssh-agent -s)
Agent pid 143102
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01$
```

{рис. 4}

Создала файл hello.html, затем закомитила

```
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01$ mc

taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01$ cd .git
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ touch Hello.html
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ mc

taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ echo "Hello,World" > Hello.html
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ git init
Initialized empty Git repository in /home/taw/Desktop/Faroiz/work/lab01/.git/.git/
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ git add Hello.html
taw@taw-Inspiron-3576:~/Desktop/Faroiz/work/lab01/.git$ git commit -m "initial commit"
[master (root-commit) e4ff09d] initial commit
1 file changed, 1 insertion(+)
create mode 100644 Hello.html
```

{рис. 5}

## Выводы

Освоила основные принципы работы с GitHub и markdown.

## License

Хусайнова Фароиз Дилшодовна

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