

People's Friendship University of Russia

Lab report number 1

Completed

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Purpose

How to work with git version control systems

Tasks

- 1.Create a repository
- 2.Create and upload files made on personal device to github
- 3.Make a commit and push to the github repository
- 4.Make a release
- 5.Generate a report and create a presentation in pdf,docx and markdown formatts
- 6.Create a final release

Subject of the study

Git. Markdown

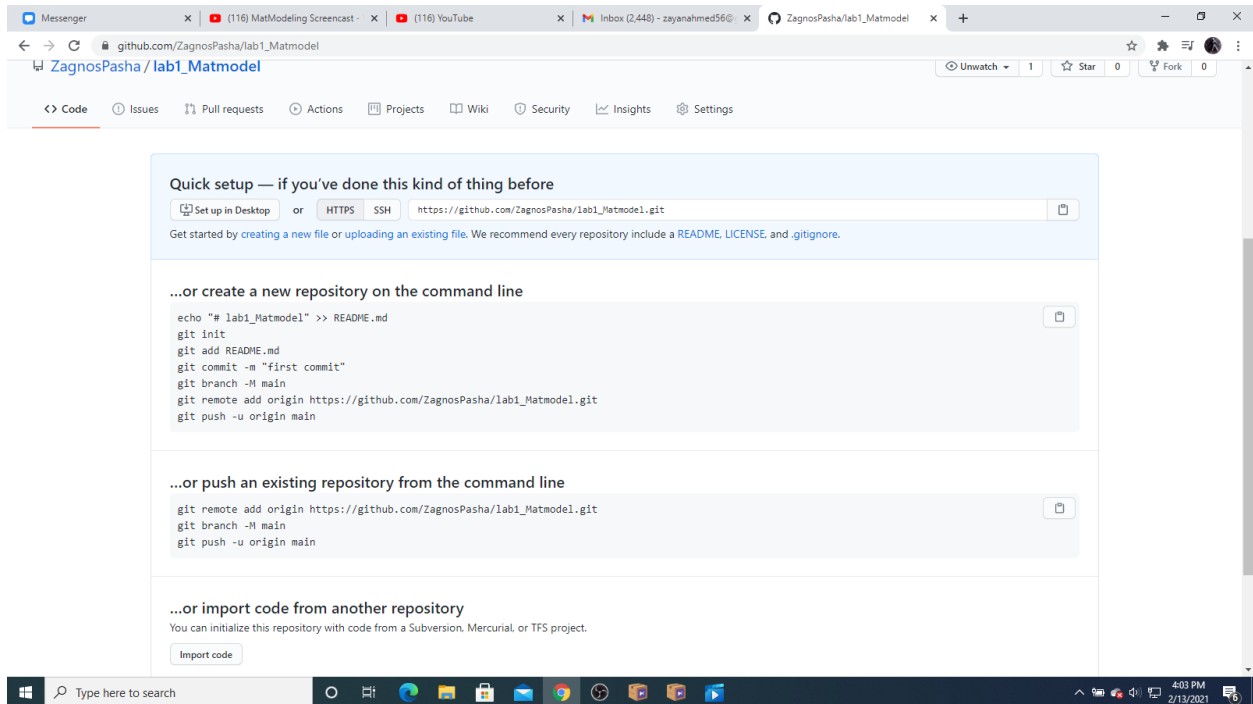
Technical equipments used

Computer,WiFi,Git console(Git bash),a notepad to write markdown files

List of Illustrations

For lab work

Created a repository on github(fig. 1)

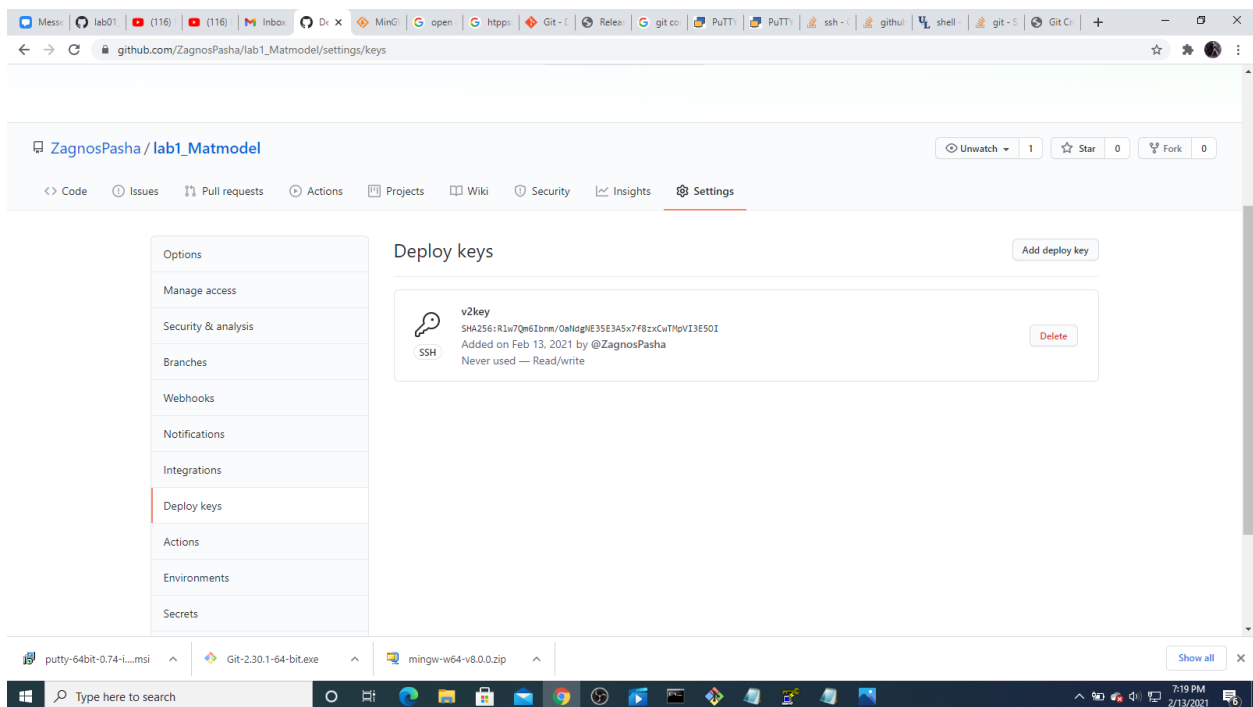


{Image 1}

```
MINGW64/c/Users/USER/hello
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global user.name "ZagnosPasha"
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global user.email "zayanahmed56@gmail.com"
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global core.autocrlf true
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global core.autocrlf true
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global core.safecrlf true
USERDESKTOP-FINAKTC MINGW64 ~
$ git config --global core.quotePath off
USERDESKTOP-FINAKTC MINGW64 ~
$ mkdir hello
USERDESKTOP-FINAKTC MINGW64 ~
$ cd hello
USERDESKTOP-FINAKTC MINGW64 ~/hello
$ touch hello.html
USERDESKTOP-FINAKTC MINGW64 ~/hello
$ echo "Hello, World!" > hello.html
USERDESKTOP-FINAKTC MINGW64 ~/hello
$ git init
Initialized empty Git repository in C:/Users/USER/hello/.git/
USERDESKTOP-FINAKTC MINGW64 ~/hello (master)
$ git add hello.html
warning: LF will be replaced by CRLF in hello.html.
The file will have its original line endings in your working directory
USERDESKTOP-FINAKTC MINGW64 ~/hello (master)
$ git config --global core.safecrlf false
USERDESKTOP-FINAKTC MINGW64 ~/hello (master)
$ git add hello.html
USERDESKTOP-FINAKTC MINGW64 ~/hello (master)
$ git commit -m "First commit"
[master (root-commit) f509a41] first commit
1 file changed, 1 insertion(+)
create mode 100644 hello.html
USERDESKTOP-FINAKTC MINGW64 ~/hello (master)
$ git branch -M main
USERDESKTOP-FINAKTC MINGW64 ~/hello (main)
$ git remote add origin https://github.com/ZagnosPasha/lab1_Matmodel.git
USERDESKTOP-FINAKTC MINGW64 ~/hello (main)
$ |
```

{Image 2}

Downloaded and connected SSH keys (fig. 2)



{Image 3}

```
MINGW64/c/Users/USER/hello
SSH_AGENT_PID=581; export SSH_AGENT_PID;
echo Agent pid 581;

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\w3_key_private
Could not open a connection to your authentication agent.

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ eval $(ssh-agent -s)
Agent pid 594

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\w3_key_private
C:\Users\USER\OneDrive\Desktop\w3_key_private: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\w3_key_private
C:\Users\USER\OneDrive\Desktop\w3_key_private: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\v2_key_private
C:\Users\USER\OneDrive\Desktop\v2_key_private: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\v3_key_private
C:\Users\USER\OneDrive\Desktop\v3_key_private: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add C:\Users\USER\OneDrive\Desktop\v2_key_private
Identity added: C:\Users\USER\OneDrive\Desktop\v2_key_private (C:\Users\USER\OneDrive\Desktop\v2_key_private)

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -l -E sha256
ssh-add: unknown option -- l
usage: ssh-add [-cDdKkLlqvXx] [-E fingerprint_hash] [-S provider] [-t life]
               [file ...]
       ssh-add -s pkcs11
       ssh-add -e pkcs11
       ssh-add -T pubkey ...

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -l -E sha256
2048 SHA256:Rlw0m6l0m/DaNdqNE3E3ASx7f8zxCWtMpV13E50I C:\Users\USER\OneDrive\Desktop\v2_key_private (RSA)

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -T git@github.com
Couldn't read public key git@github.com: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh -T git@github.com
Warning: Permanently added the RSA host key for IP address '52.74.223.119' to the list of known hosts.
Hi ZagnosPasha/lab1_Matmodel! You've successfully authenticated, but GitHub does not provide shell access.

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ |
```

{Image 4}

Created a hello.html file and started it (fig.3)

```
MINGW64/c/Users/USER/hello
Identity added: C:\Users\USER\OneDrive\Desktop\v2_key_private (C:\Users\USER\OneDrive\Desktop\v2_key_private)

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -l -E sha256
ssh-add: unknown option -- l
usage: ssh-add [-cDdKkLlqvXx] [-E fingerprint_hash] [-S provider] [-t life]
               [file ...]
       ssh-add -s pkcs11
       ssh-add -e pkcs11
       ssh-add -T pubkey ...

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -l -E sha256
2048 SHA256:Rlw0m6l0m/DaNdqNE3E3ASx7f8zxCWtMpV13E50I C:\Users\USER\OneDrive\Desktop\v2_key_private (RSA)

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh-add -T git@github.com
Couldn't read public key git@github.com: No such file or directory

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ssh -T git@github.com
Warning: Permanently added the RSA host key for IP address '52.74.223.119' to the list of known hosts.
Hi ZagnosPasha/lab1_Matmodel! You've successfully authenticated, but GitHub does not provide shell access.

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ ls
hello.html

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ git commit -m "My first commit"
git: 'commit -m' is not a git command. See 'git --help'.

The most similar command is
commit-tree

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ git commit -m "My first commit"
On branch main
nothing to commit, working tree clean

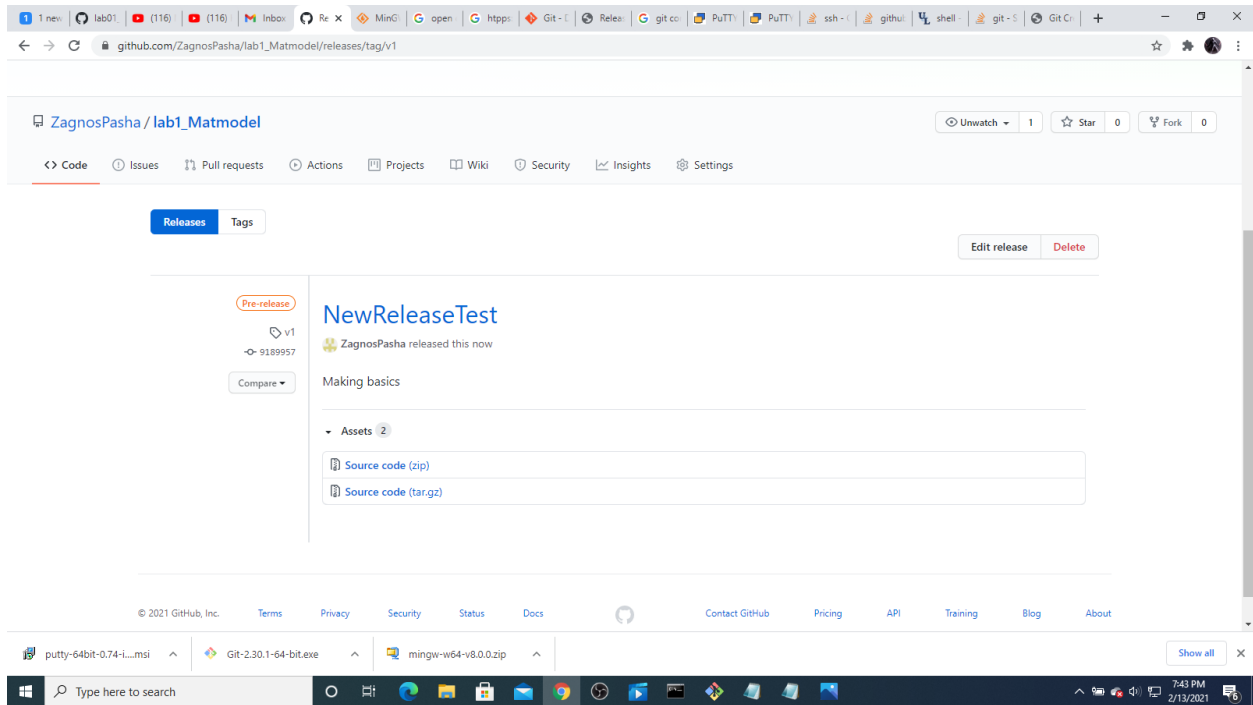
USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ git add hello.html

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 232 bytes | 232.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ZagnosPasha/lab1_Matmodel.git
 * (new branch) main => main
Branch 'main' set up to track remote branch 'main' from 'origin'.

USERDESKTOP-FINWKT MINGW64 ~/hello (main)
$
```

{Image 5}

Made a release test on github (fig. 4)



{Image 6}

Conclusions

Learned how to solve issues on github, how to make commits and push them. Learned how to mke releases and got acquainted with MarkDown