РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

Кафедра прикладной информатики и теории вероятностей
ОТЧЕТ

ПО ЛАБОРАТОРНОЙ РАБОТЕ № 2

дисциплина: *Операционные системы*

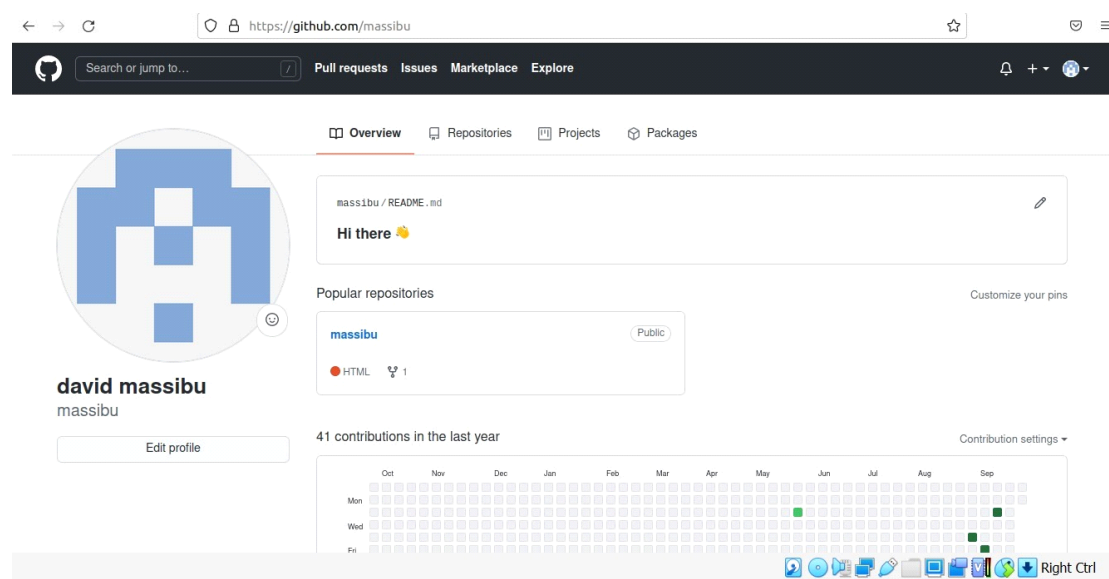Студент: МАССИБУ ДАВИД ЛЕВИ

Группа: НПИбд 01-20

МОСКВА 2021 г.

Цель работы :
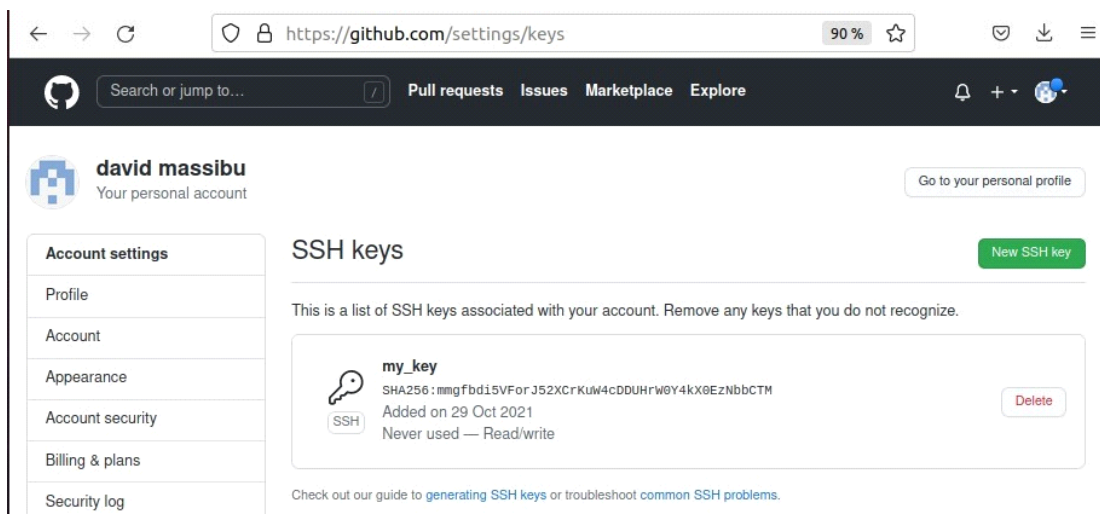Изучить идеологию и применение средств контроля версий.

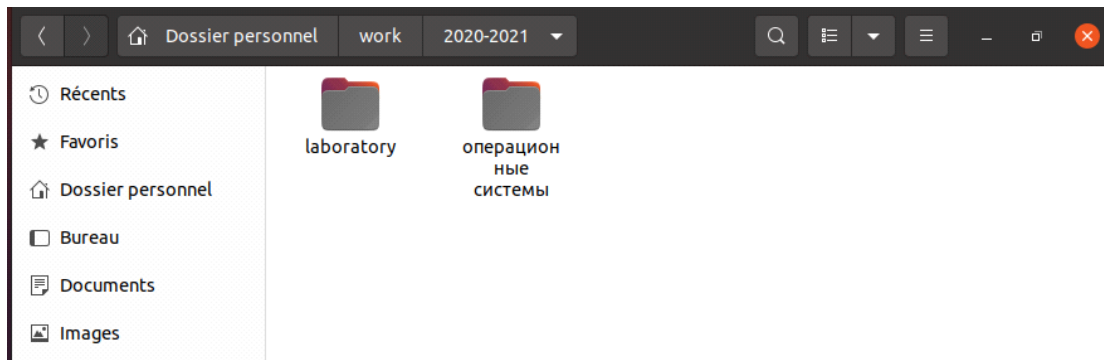## Ход работы:

1. Я создал учётную запись на https://github.com
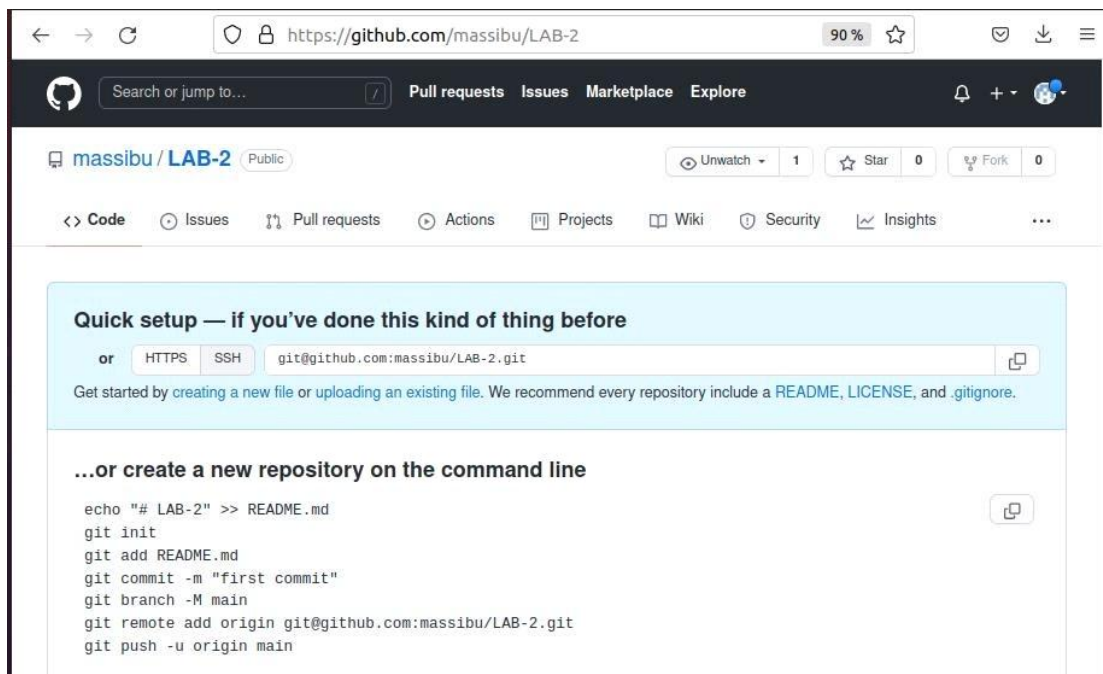

2. Я настроил систему контроля версий git и добавил SSH keys.

```
massibu@massibu-VirtualBox:~$ ssh-keygen -C "david massibu <massibulevi@gmail.com>"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/massibu/.ssh/id_rsa):
/home/massibu/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/massibu/.ssh/id_rsa
Your public key has been saved in /home/massibu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:mmgfbdi5VForJ52XCrKuW4cDDUHrW0Y4kX0EzNbbCTM david massibu <massibulevi@gmail.com>
The key's randomart image is:
+---[RSA 3072]----+
|    .+=.+.        |
|    .== E         |
|    =... * .      |
|   . =  . o       |
|    o + S o       |
|     * B * o .    |
|    + X % = o     |
|   . o O * o      |
|     o++ . .      |
+----[SHA256]-----+
massibu@massibu-VirtualBox:~$ cat /home/massibu/.ssh/id_rsa.pub
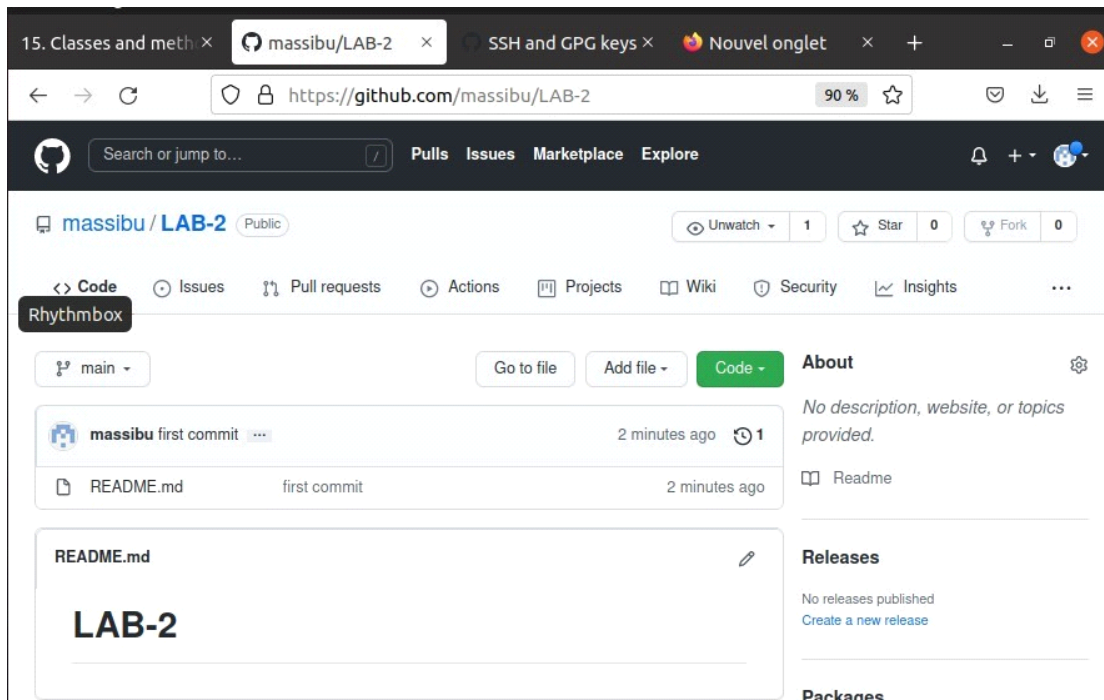```



3. Создал структуру каталога лабораторных работ.



4. Создал репозиторий на GitHub.

5. Подключение репозитория к github

- Мы сначала клонируем репозиторий в каталоге

- Инициализируем системы git: git init

- Создаём заготовку для файла README.md: echo "# lab2" >> README.md git add README.md

- Делаем первый коммит : git commit -m "first commit"/ git branch -M main/ git remote add origin git@github.com:massibu/lab2.git

- и выкладываем на github: git push -u origin main.ss

6. Первичная конфигурация

- Добавил файл лицензии

- Добавил шаблон игнорируемых файлов

- Затем скачал шаблон для c

- Добавил новые файлы

- Выполнил коммит

- Отправил на github

```
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ wget https://creativecommons.org/l
icenses/by/4.0/legalcode.txt -O LICENSE
--2021-10-29 17:15:47--  https://creativecommons.org/licenses/by/4.0/legalcode.txt
Résolution de creativecommons.org (creativecommons.org)... 104.20.151.16, 104.20.150.16, 172.67.
34.140. ...
C Rhythmbox ers creativecommons.org (creativecommons.org)|104.20.151.16|:443... connecté.
requête HTTP transmise, en attente de la réponse... 200 OK
Taille : non spécifié [text/plain]
Enregistre : «LICENSE»

LICENSE                     [ <=>                        ] 18,22K  --.-KB/s    ds 0,08s

2021-10-29 17:15:48 (224 KB/s) - «LICENSE» enregistré [18657]

massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ curl -L -s https://www.gitignore.i
o/api/list
1c,1c-bitrix,a-frame,actionscript,ada
adobe,advancedinstaller,adventuregamestudio,agda,al
alteraquartusii,altium,amplify,android,androidstudio
angular,anjuta,ansible,ansibletower,apachecordova
apachehadoop,appbuilder,appceleratortitanium,appcode,appcode+all
appcode+iml,appengine,aptanastudio,arcanist,archive
archives,archlinuxpackages,aspnetcore,assembler,ate
atmelstudio,ats,audio,automationstudio,autotools
autotools+strict,awr,azurefunctions,azurite,backup
ballerina,basercms,basic,batch,bazaar
bazel,bitrise,bitrix,bittorrent,blackbox
bloop,bluej,bookdown,bower,bricxcc
buck,c,c++,cake,cakephp
cakephp2,cakephp3,calabash,carthage,certificates
ceylon,cfwheels,chefcookbook,chocolatey,clean
clion,clion+all,clion+iml,clojure,cloud9
cmake,cocoapods,cocos2dx,cocoscreator,codeblocks
codecomposerstudio,codeigniter,codeio,codekit,codesniffer
coffeescript,commonlisp,compodoc,composer,compressed
compressedarchive,compression,conan,concrete5,coq
cordova,craftcms,crashlytics,crbasic,crossbar
crystal,cs-cart,csharp,cuda,cvs
cypressio,d,dart,darteditor,data
database,datarecovery,dbeaver,defold,delphi
dframe,diff,direnv,diskimage,django
```



```
putty,pvs,pycharm,pycharm+all,pycharm+iml
pydev,python,pythonvanilla,qml,qooxdoo
qt,qtcreator,r,racket,rails
react,reactnative,reasonml,red,redcar
redis,retool,rhodesrhomobile,rider,robotframework
root,ros,ros2,ruby,rubymine
rubymine+all,rubymine+iml,rust,salesforce,salesforcedx
sam,sam+config,sas,sass,sbt
scala,scheme,scons,scrivener,sdcc
seamgen,senchatouch,serverless,shopware,silverstripe
sketchup,slickedit,smalltalk,snap,snapcraft
solidity,soliditytruffle,sonar,sonarqube,sourcepawn
spark,splunk,spreadsheet,ssh,standardml
stata,stdlib,stella,stellar,storybookjs
strapi,stylus,sublimetext,sugarcrm,svn
swift,swiftpackagemanager,swiftpm,symfony,symphonycms
synology,synopsysvcs,tags,tarmainstallmate,terraform
terragrunt,test,testcomplete,testinfra,tex
text,textmate,textpattern,theos-tweak,thinkphp
tla+,tortoisegit,tower,turbogears2,twincat3
tye,typings,typo3,typo3-composer,umbraco
unity,unrealengine,vaadin,vagrant,valgrind
vapor,venv,vertx,video,vim
virtualenv,virtuoso,visualstudio,visualstudiocode,vivado
vlab,vs,vue,vuejs,vvvv
w Terminal da,web,webmethods,webstorm
webstorm+all,webstorm+iml,werckercli,windows,wintersmith
wordpress,wyam,xamarinstudio,xcode,xcodeinjection
xilinx,xilinxise,xilinxvivado,xill,xojo
xtext,y86,yalc,yarn,yeoman
yii,yii2,zendframework,zephir,zig
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git add .gitignore LICENSE
fatal: le chemin '.gitignore' ne correspond à aucun fichier
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ curl -L -s https://www.gitignore.i
o/api/c >> .gitignore
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git add .gitignore LICENSE
```



```
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git add .gitignore LICENSE
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git commit -a
[main 1a22209] second commit
 2 files changed, 455 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 LICENSE
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git push
Énumération des objets: 5, fait.
Décompte des objets: 100% (5/5), fait.
Compression des objets: 100% (4/4), fait.
Écriture des objets: 100% (4/4), 6.43 Kio | 1.61 Mio/s, fait.
Total 4 (delta 0), réutilisés 0 (delta 0)
To github.com:massibu/LAB-2.git
   469044c..1a22209  main -> main
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git flow init
```

7. Конфигурация git-flow

- Инициализировал git-flow
- Проверил что я на ветке develop

- Создал релиз с версией 1.0.0

- Запишем версию:

- Добавим в индекс:

- Залил релизную ветку в основную ветку

- Отправил данные на github

- Создал релиз на github.

```
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git flow init

Which branch should be used for bringing forth production releases?
   - main
Branch name for production releases: [main]
Branch name for "next release" development: [develop]

How to name your supporting branch prefixes?
Feature branches? [feature/]
Bugfix branches? [bugfix/]
Release branches? [release/]
Hotfix branches? [hotfix/]
Support branches? [support/]
Version tag prefix? [] v
Hooks and filters directory? [/home/massibu/work/2020-2021/laboratory/LAB-2/.git/hooks]
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git branch
* develop
  main
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git flow release start 1.0.0
Basculement sur la nouvelle branche 'release/1.0.0'

Summary of actions:
- A new branch 'release/1.0.0' was created, based on 'develop'
- You are now on branch 'release/1.0.0'

Follow-up actions:
- Bump the version number now!
- Start committing last-minute fixes in preparing your release
- When done, run:

    git flow release finish '1.0.0'

massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ echo "1.0.0" >> VERSION
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git add VERSION
```

← → C   ○ 🔒 https://github.com/massibu/LAB-2   90 %   ☆

Search or jump to…   /   Pulls   Issues   Marketplace   Explore   🔔 + ▾

🖥 massibu / **LAB-2**   Public   ⊙ Unwatch ▾   1   ☆ Star   0   ᛘ Fork   0

<> Code   ⊙ Issues   ᛘ Pull requests   ⊙ Actions   ▦ Projects   📖 Wiki   ⓘ Security   ∿ Insights   ⋯

Rhythmbox

ᛘ main ▾   Go to file   Add file ▾   Code ▾   **About**   ⚙

🖼 **massibu** first commit ⋯   2 minutes ago   ⏱ 1   *No description, website, or topics provided.*

📄 README.md   first commit   2 minutes ago   📖 Readme

README.md   ✎   **Releases**

LAB-2   No releases published

   Create a new release

   Packages

```
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git push --all
Énumération des objets: 6, fait.
Décompte des objets: 100% (6/6), fait.
Compression des objets: 100% (4/4), fait.
Écriture des objets: 100% (5/5), 500 octets | 83.00 Kio/s, fait.
Total 5 (delta 3), réutilisés 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To github.com:massibu/LAB-2.git
   1a22209..c004e2b  main -> main
 * [new branch]      develop -> develop
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$ git push --tags
Énumération des objets: 1, fait.
Décompte des objets: 100% (1/1), fait.
Écriture des objets: 100% (1/1), 157 octets | 22.00 Kio/s, fait.
Total 1 (delta 0), réutilisés 0 (delta 0)
To github.com:massibu/LAB-2.git
 * [new tag]         v1.0.0 -> v1.0.0
massibu@massibu-VirtualBox:~/work/2020-2021/laboratory/LAB-2$
```

Вывод:

Я Изучил идеологию и применение средств контроля версий.