ОТЧЕТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №2
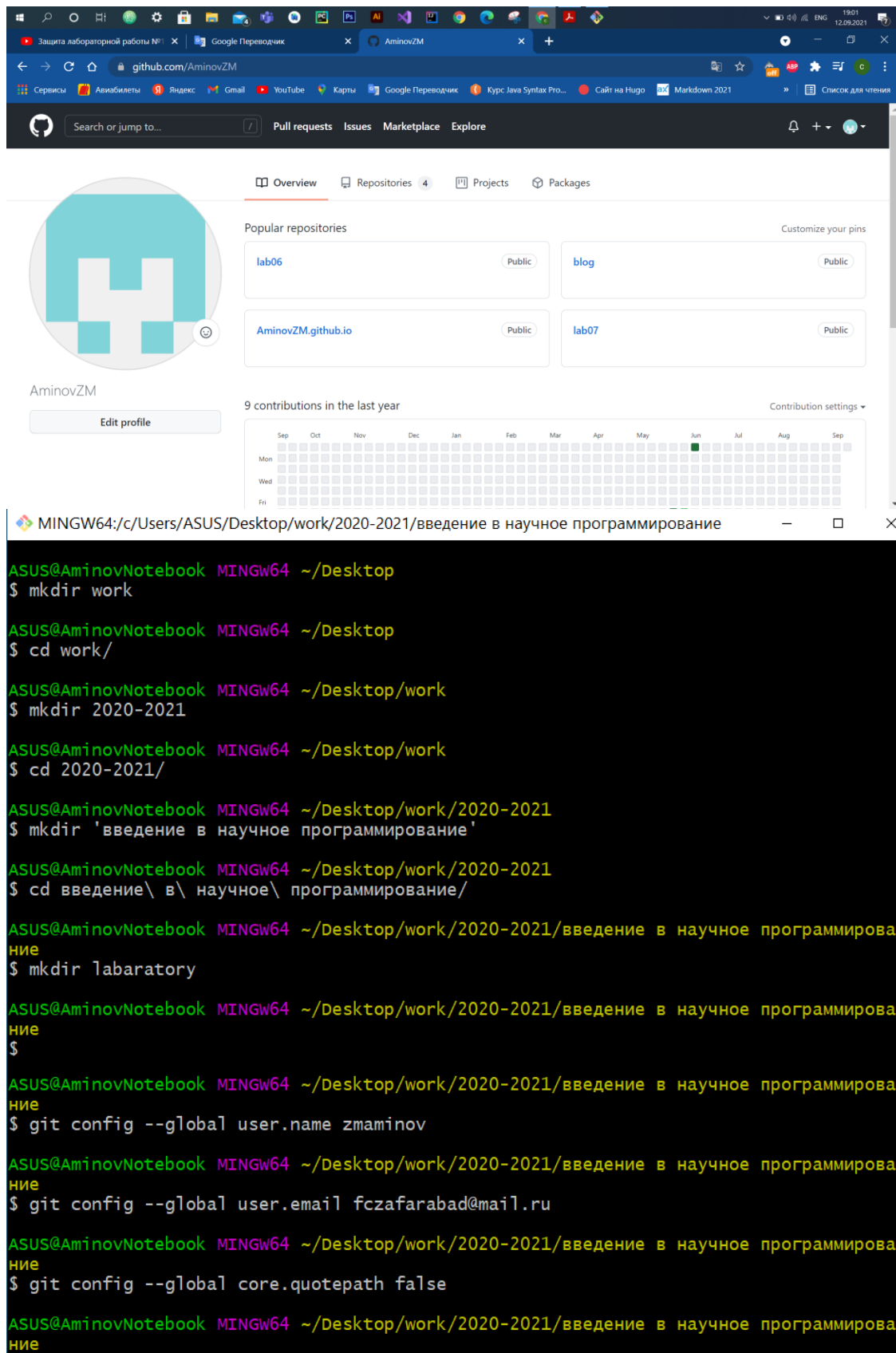
markdown

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Содержание

1.5.1 Настройка git

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние
$ ssh-keygen -C "Aminov Zulfiqor <fczafarabad@mail.ru>"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/ASUS/.ssh/id_rsa):
/c/Users/ASUS/.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 /c/Users/ASUS/.ssh/id_rsa
Your public key has been saved in /c/Users/ASUS/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:FhuL9oeixlRJWI4DOnQD3EInZMQbmAap8Eo2taGPeWs Aminov Zulfiqor <fczafarabad@mail.
ru>
The key's randomart image is:
+---[RSA 3072]----+
|X@++ o.          |
|BB+=oo.          |
|*.* =...o        |
|.B.. .o. =       |
|o.=  .o S         |
|.o o.. o .        |
|  .o. . o .       |
|   Eo. . .        |
|   ...            |
+----[SHA256]-----+

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQCqcr+GWRzFrLtcViRLJ0ams2zirHZxVISSv0cnbgSf91Lzp
B7GRIO8J5sc6HS7iC706WPRtEcrrPmkF3DKbuJR3ZTBH3y9eFmn8hPZCfmn6cvx19CuB5xEQIqoL0L500rBbz
xpPDNVbTlQHK7gtYpUjQe+CMDymeyB8AjKYxeeJ66vo9Xg1B0mPB2o0RY46xcrTxkvfXfqHgtIGGmcBDaHd31
T2uyn6fVvS5WoyEms3GGBfS9Kb9uwEPexNzBmqRdbYTI/84P5Ri+ZVSMzyeOdndwnx/4MDmxNLioiasij9wt3
68g8TjZf/cGaDM/xchYKC2iwou99YgX1bcO0KKmQo6li6xaqG4auDZevmS8UqyTzFLHawPpCo3NSz1ANZvyUJ
pb+I2VsRSOhzXwUeTiw06GxKxH3TI5vFRh29TpPVDew2VNU3skrHUOgR/77N4nPECF/lSSRbGY6HPmVbnACYK
kRn6ID8qhozE14QJqdzTcFs3ZoaeG+ZujWqnDPQ9k= Aminov Zulfiqor <fczafarabad@mail.ru>

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние
$
```

AminovZM
Your personal account

Go to your personal profile

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Account settings

Profile

Account

Appearance

Account security

Billing & plans

🔑 1_key ssh
SSH SHA256:FhuL9oeixlRJWI4DOnQD3EInZMQbmAap8Eo2taGPeWs
Added on 12 Sep 2021
Never used — Read/write

Delete

1.5.2 Подключение репозитория к github

Лабораторные работы

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ curl -L -s https://www.gitignore.io/api/c >> .gitignore

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in LICENSE.
The file will have its original line endings in your working directory

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git add LICENSE
```

MINGW64:/c/Users/ASUS/Desktop/work/2020-2021/введение в научное программирование/la...   —   □   ×

```
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# Your branch is up to date with 'origin/master'.
#
# Changes to be committed:
#       new file:    .gitignore
#       new file:    LICENSE
#
~
```

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git commit -a
[master 6f48044] 1 commit
 2 files changed, 455 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 LICENSE

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git push
Enter passphrase for key '/c/Users/ASUS/.ssh/id_rsa':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 6.42 KiB | 1.61 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:AminovZM/sciproc-intro.git
   89149ec..6f48044  master -> master

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ |
```

AminovZM / **sciproc-intro**   Public

<> Code   ⊙ Issues   ⁑ Pull requests   ⊙ Actions   ⊞ Projects   📖 Wiki   ⊙ Security   ⊿ Insights   ⚙ Set

👁 Unwatch

⿻ master ⌄   ⑃ 1 branch   ⬡ 0 tags

Go to file   Add file ⌄   **Code ⌄**

Aminov-09 1 commit   6f48044 5 minutes ago   ⟲ **2** commits

☐ .gitignore	1 commit	5 minutes ago
☐ LICENSE	1 commit	5 minutes ago
☐ README.md	first commit	12 minutes ago

README.md   ✎

Лабораторные работы

1.5.3 Первичная конфигурация

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ wget https://creativecommons.org/licenses/by/4.0/legalcode.txt -O LICENSE
--2021-09-12 19:14:43--  https://creativecommons.org/licenses/by/4.0/legalcode.txt
Resolving creativecommons.org (creativecommons.org)... 172.67.34.140, 104.20.151.16,
104.20.150.16
Connecting to creativecommons.org (creativecommons.org)|172.67.34.140|:443... connect
ed.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/plain]
Saving to: 'LICENSE'

    OK .......... .......                                14,2M=0,001s

2021-09-12 19:14:44 (14,2 MB/s) - 'LICENSE' saved [18657]


ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ curl -L -s https://www.gitignore.io/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
```

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ curl -L -s https://www.gitignore.io/api/c >> .gitignore

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in LICENSE.
The file will have its original line endings in your working directory

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git add LICENSE
```

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git commit -a
[master 6f48044] 1 commit
 2 files changed, 455 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 LICENSE

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (master)
$ git push
Enter passphrase for key '/c/Users/ASUS/.ssh/id_rsa':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 6.42 KiB | 1.61 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:AminovZM/sciproc-intro.git
   89149ec..6f48044  master -> master
```

1.5.4 Конфигурация git-flow

```
ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2
$ git flow init
Initialized empty Git repository in C:/Users/ASUS/Desktop/work/2020-2021/введение в н
аучное программирование/labaratory2/.git/
No branches exist yet. Base branches must be created now.
Branch name for production releases: [master] master
Branch name for "next release" development: [develop] develop

How to name your supporting branch prefixes?
Feature branches? [feature/] feature/
Bugfix branches? [bugfix/] bugfix/
Release branches? [release/] release/
Hotfix branches? [hotfix/] hotfix/
Support branches? [support/] support/
Version tag prefix? [] v
Hooks and filters directory? [C:/Users/ASUS/Desktop/work/2020-2021/введение в научное
 программирование/labaratory2/.git/hooks]

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (develop)
$ git branch
* develop
  master
```

```
MINGW64:/c/Users/ASUS/Desktop/work/2020-2021/введение в научное программирование/la...    —    □    ×

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (develop)
$ git flow release start 1.0.0
Switched to a new branch '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'


ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (release/1.0.0)
$ echo "1.0.0" >> VERSION

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (release/1.0.0)
$ git add .
warning: LF will be replaced by CRLF in VERSION.
The file will have its original line endings in your working directory

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (release/1.0.0)
$ git add VERSION

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (release/1.0.0)
$ git commit -am 'chore(main): add version'
[release/1.0.0 83d91d6] chore(main): add version
 1 file changed, 1 insertion(+)
 create mode 100644 VERSION
```

```
MINGW64:/c/Users/ASUS/Desktop/work/2020-2021/введение в научное программирование/la...    —    □    ×

ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory2 (release/1.0.0)
$ git flow release finish 1.0.0
Switched to branch 'master'
Merge made by the 'recursive' strategy.
 VERSION | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 VERSION
Already on 'master'
Switched to branch 'develop'
Merge made by the 'recursive' strategy.
 VERSION | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 VERSION
Deleted branch release/1.0.0 (was 83d91d6).

Summary of actions:
- Release branch 'release/1.0.0' has been merged into 'master'
- The release was tagged 'v1.0.0'
- Release tag 'v1.0.0' has been back-merged into 'develop'
- Release branch 'release/1.0.0' has been locally deleted
- You are now on branch 'develop'


ASUS@AminovNotebook MINGW64 ~/Desktop/work/2020-2021/введение в научное программирова
ние/labaratory (develop)
$ git push --all
Enter passphrase for key '/c/Users/ASUS/.ssh/id_rsa':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 140.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:      https://github.com/AminovZM/sciproc-intro/pull/new/develop
remote:
To github.com:AminovZM/sciproc-intro.git
 * [new branch]      develop -> develop
```

Вывод:

Научился работать с VCS.