

# Лабораторная работа №1

Математические и иммитационное моделирование

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ГРУППА: НФИБД-02-23

# Цель

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Приобрести практические навыки работы с системой управления версиями Git.

# Задание №1

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```
MINGW64:/c/Users/nikit  
  
nikit@nvsakhno MINGW64 ~  
$ git --version  
git version 2.53.0.windows.1
```

```
nikit@nvsakhno MINGW64 ~  
$ git config --global user.name "Сахно Никита"  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global user.email "Nikita.Sakhno19@yandex.ru"  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global core.quotepath false  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global core.autocrlf true  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global core.safecrlf warn  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global init.defaultBranch master  
  
nikit@nvsakhno MINGW64 ~  
$ git config --global --list  
user.name=Сахно Никита  
user.email=Nikita.Sakhno19@yandex.ru  
core.quotepath=false  
core.autocrlf=true  
core.safecrlf=warn  
init.defaultbranch=master
```

## Задание №2

## Задание №2

```
nikit@nvsakhno MINGW64 ~  
$ ssh  
usage: ssh [-46AaCfGgKkMnQsTtVvXxYy] [-B bind_interface] [-b bind_address]  
[-c cipher_spec] [-D [bind_address:]port] [-E log_file]  
[-e escape_char] [-F configfile] [-I pkcs11] [-i identity_file]  
[-J destination] [-L address] [-l login_name] [-m mac_spec]  
[-O ctl_cmd] [-o option] [-P tag] [-p port] [-R address]  
[-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]]  
destination [command [argument ...]]  
ssh [-Q query_option]  
  
nikit@nvsakhno MINGW64 ~  
$ ssh-keygen -t ed25519 -C "Nikita.Sakhno19@yandex.ru"  
Generating public/private ed25519 key pair.  
Enter file in which to save the key (/c/Users/nikit/.ssh/id_ed25519):  
Created directory '/c/Users/nikit/.ssh'.  
Enter passphrase for "/c/Users/nikit/.ssh/id_ed25519" (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /c/Users/nikit/.ssh/id_ed25519  
Your public key has been saved in /c/Users/nikit/.ssh/id_ed25519.pub  
The key fingerprint is:  
SHA256:PQYiuEC2j2uNGfvMWbjOGONUzPgaUuJFg1sDIUdy69U Nikita.Sakhno19@yandex.ru  
The key's randomart image is:  
+--[ED25519 256]--+  
|o*X=                |  
|=*=*..              |  
|o+B.+ E .           |  
|. *++ . . o         |  
|. +=.      S +      |  
|o.B .      . .      |  
|.O o .              |  
|. B +               |  
|.oO                 |  
+-----[SHA256]-----+  
  
nikit@nvsakhno MINGW64 ~
```

# SSH keys

[New SSH key](#)

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

## Authentication keys



SSH

**nvsakhno\_mathmod**

SHA256:PQYiuEC2j2uNGfvMWbj0GoNUZPgaUuJFg1sDIUdy69U

Added on Feb 20, 2026

Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

```
nikit@nvsakhno MINGW64 ~  
$ cat ~/.ssh/id_ed25519.pub  
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIDGrKZ2TGYB9uzMUifpx8dOw0R7kvdeiaenL/sr3CsAo Nikita.Sakhno19@yandex.ru  
  
nikit@nvsakhno MINGW64 ~  
$ ssh -T git@github.com  
Hi NikitaSakhno1! You've successfully authenticated, but GitHub does not provide shell access.
```

```
nikit@nvsakhno MINGW64 ~  
$ git clone git@github.com:yamadharm/course-directory-student-template.git  
Cloning into 'course-directory-student-template'...  
remote: Enumerating objects: 546, done.  
remote: Counting objects: 100% (160/160), done.  
remote: Compressing objects: 100% (82/82), done.  
remote: Total 546 (delta 104), reused 131 (delta 78), pack-reused 386 (from 1)  
Receiving objects: 100% (546/546), 177.29 KiB | 1.18 MiB/s, done.  
Resolving deltas: 100% (222/222), done.  
nikit@nvsakhno MINGW64 ~
```



```
nikit@nvsakhno MINGW64 ~  
$ cd course-directory-student-template  
  
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)  
$ ls  
CHANGELOG.md      CONTRIBUTING.md  LICENSE  README.en.md    README.md  package.json  
CODE_OF_CONDUCT.md  COURSE          Makefile  README.git-flow.md SECURITY.md  template/  
  
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)  
$
```

```
nikit@nvsakhno MINGW64 ~  
$ echo simulation-modeling > COURSE
```

```
nikit@nvsakhno MINGW64 ~  
$ cat COURSE  
simulation-modeling
```

```
nikit@nvsakhno MINGW64 ~  
$ |
```

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
```

```
$ git add .
```

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
```

```
$ git commit -m "feat(main): make course structure"
```

```
On branch master
```

```
Your branch is up to date with 'origin/master'.
```

```
nothing to commit, working tree clean
```

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
```

```
$
```

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
```

```
$ git push
```

```
ERROR: Permission to yamadharma/course-directory-student-template.git denied to NikitaSakhno1.  
fatal: Could not read from remote repository.
```

```
Please make sure you have the correct access rights  
and the repository exists.
```

---

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
$ git flow version
1.12.3 (AVH Edition)
```

## Задание №2

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
$ git flow init

Which branch should be used for bringing forth production releases?
  - master
Branch name for production releases: [master]
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? [C:/Users/nikit/course-directory-student-template/.git/hooks]
```

---

```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (develop)
$ git branch
* develop
  master
```

## Задание №2

[illegible]



```
nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
$ git push --all
ERROR: Permission to yamadharma/course-directory-student-template.git denied to
NikitaSakhno1.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
$ git push --tags
ERROR: Permission to yamadharma/course-directory-student-template.git denied to
NikitaSakhno1.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

nikit@nvsakhno MINGW64 ~/course-directory-student-template (master)
$ |
```

# Вывод:

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В процессе выполнения данной лабораторной работы я приобрел практические навыки работы с Git.