

# Отчёт по лабораторной работе

## 1

дисциплина: Математическое  
моделирование

Пейтель Андрей Андреевич,  
НПИбд-02-18

# Цель работы

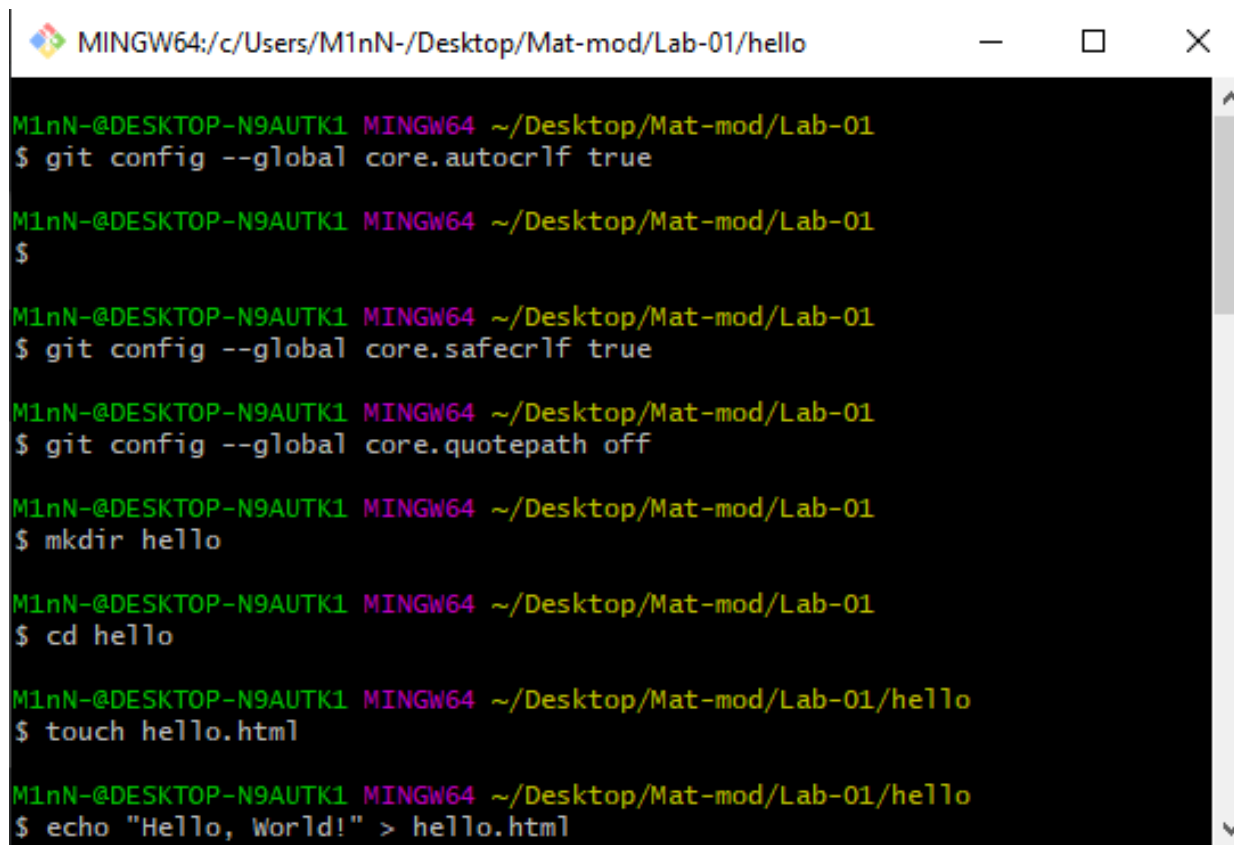
Начать знакомство с GitHub и GitBash, начать изучение языка Markdown.

# Задание

- Подготовиться к работе с git
- Создать репозиторий и файл

# Выполнение лабораторной работы

1. Установил имя и электронную почту. Настроила параметры установки окончаний строк. Установила отображение unicode.



A screenshot of a MINGW64 terminal window. The title bar shows the path "MINGW64:/c/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello". The terminal output shows a series of commands and their results:

```
MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ git config --global core.autocrlf true

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ git config --global core.safecrlf true

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ git config --global core.quotePath off

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ mkdir hello

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ cd hello

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello
$ touch hello.html

MinN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello
$ echo "Hello, World!" > hello.html
```

Подготовка к работе с git

2. Создал git репозиторий

```
MINGW64:/c/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello
$ git init
Initialized empty Git repository in C:/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello/.git/

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git add hello.html
fatal: LF would be replaced by CRLF in hello.html

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git add hello.html

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git commit -m "Initial Commit"
[master (root-commit) 16065d0] Initial Commit
1 file changed, 1 insertion(+)
create mode 100644 hello.html

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Создание репозитория

3.Проверка состояние репозитория.



```
MINGW64:/c/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   hello.html

no changes added to commit (use "git add" and/or "git commit -a")

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git add hello.html

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   hello.html

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git commit
[master 2304483] Added h1 tag
```

Проверка

4.Добавьте стандартные теги страницы

 C:\Users\M1nN-\Desktop\Mat-mod\Lab-01\hello\hello.html - Notepad++

Файл Правка Поиск Вид Кодировки Синтаксисы Опции Инструмент



hello.html

```
1  <html>
2      <head>
3      </head>
4      <body>
5          <h1>Hello, World!</h1>
6      </body>
7  </html>
8
```

Логи

## 5.Просмотрел логи

```
MINGW64:/c/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello
$ git log --pretty=oneline --since='5 minutes ago'
ce215d5a3a1f6dd3f7246d68562c63af1b2026b1 (HEAD -> master) Added HTML header
d725c3bb7053a28b59384d8027e467c724f5d030 Added standard HTML page tags

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --until='5 minutes ago'
230448351c1ecfc5446d17448c5a10d1b83b01be Added h1 tag
16065d07fb9c0274bf267fe6e12eeb9adbc0a321 Initial Commit

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --author=<your name>
bash: syntax error near unexpected token `newline'

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --author=<your name>
bash: syntax error near unexpected token `newline'

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --author=<M1nn-lab>
bash: syntax error near unexpected token `newline'

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --author=M1nn-lab

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git log --pretty=oneline --all
ce215d5a3a1f6dd3f7246d68562c63af1b2026b1 (HEAD -> master) Added HTML header
d725c3bb7053a28b59384d8027e467c724f5d030 Added standard HTML page tags
230448351c1ecfc5446d17448c5a10d1b83b01be Added h1 tag
16065d07fb9c0274bf267fe6e12eeb9adbc0a321 Initial Commit

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ |
```

Логи

6.Изменил hello.html

C:\Users\M1nN-\Desktop\Mat-mod\Lab-01\hello\hello.html - Notepad++

Файл Правка Поиск Вид Кодировки Синтаксисы Опции Инструменты Макросы Запуск Плагины В

hello.html

```
1 <html>
2 <head>
3     <!-- This is an unwanted but staged comment -->
4 </head>
5 <body>
6     <h1>Hello, World!</h1>
7 </body>
8 </html>
```

Изменил файл

7.Добавил каталог .git



```
MINGW64/c/Users/M1nN/Desktop/Mat-mod/Lab-01/hello
MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git mv hello.html lib
$ git mv hello.html lib

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    hello.html -> lib/hello.html

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git commit -m "Moved hello.html to lib"
[master 3d56f3e] Moved hello.html to lib
1 file changed, 0 insertions(+), 0 deletions(-)
rename hello.html -> lib/hello.html (100%)

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git touch index.html
git: 'touch' is not a git command. See 'git --help'.

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ touch index.html

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git add index.html

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ git commit -m "Added index.html."
[master 21a1a7b] Added index.html.
1 file changed, 5 insertions(+)
create mode 100644 index.html

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ ls -C .git
COMMIT_EDITMSG  ORIG_HEAD  description  index  logs/  packed-refs
HEAD           config     hooks/       info/  objects/ refs/

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ ls -C .git/objects
13/ 21/ 39/ 40/ 5b/ 6c/ 83/ 92/ a4/ bd/ cb/ cf/ d7/ f7/ pack/
16/ 23/ 3d/ 52/ 62/ 74/ 8a/ a0/ ad/ c7/ ce/ d0/ dd/ info/

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ ls -C .git/objects/<dir>
bash: syntax error near unexpected token 'newline'

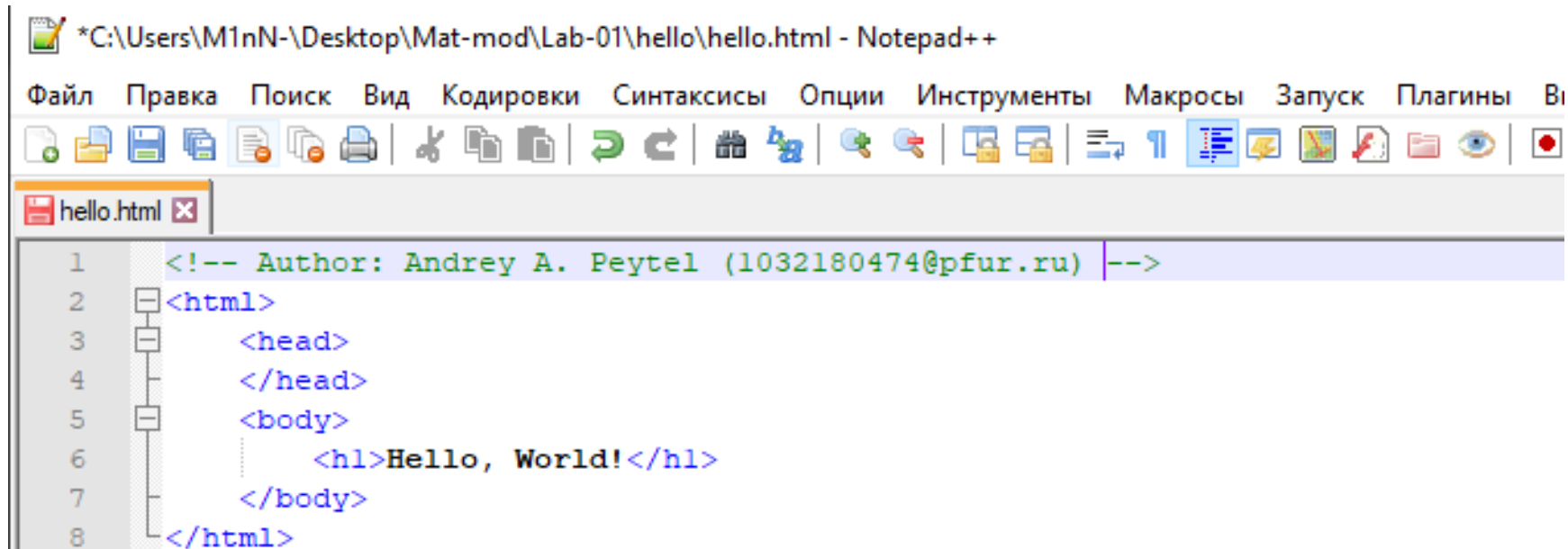
MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ ls -C .git/objects/40
862ee9cd2d7b6491102f46368dd8e834a2e322

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

MinN-BDESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/hello (master)
$ |
```

## Каталог .git

8.Изменил основную страницу



\*C:\Users\M1nN-\Desktop\Mat-mod\Lab-01\hello\hello.html - Notepad++

Файл Правка Поиск Вид Кодировки Синтаксисы Опции Инструменты Макросы Запуск Плагины В

hello.html

```
1 <!-- Author: Andrey A. Peytel (1032180474@pfur.ru) -->
2 <html>
3   <head>
4   </head>
5   <body>
6     <h1>Hello, World!</h1>
7   </body>
8 </html>
```

Изменил основую страницу

9. Создал клон репозитория hello

```

MINGW64/c/Users/M1nN-/Desktop/Mat-mod/Lab-01/cloned_hello
done.
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ ls
cloned_hello/  hello/
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01
$ cd cloned_hello
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ ls
hello.html
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ git log --all
commit ce215d583a1f6dd3f7246d68562c63af1b2026b1 (HEAD -> master, tag: v1, origin/style, origin/master, origin/HEAD)
Author: M1nN-lab <10321804740pfur.ru>
Date:   Mon May 10 19:14:27 2021 +0300

    Added HTML header

commit d725c3bb7053a28b59384d8027e467c724f5d030 (tag: v1-beta)
Author: M1nN-lab <10321804740pfur.ru>
Date:   Mon May 10 19:11:55 2021 +0300

    Added standard HTML page tags

commit 230448351c1ecfc5446d17448c5a10d1b83b01be
Author: M1nN-lab <10321804740pfur.ru>
Date:   Mon May 10 19:05:12 2021 +0300

    Added hi tag

commit 16065d07fb9c0274bf267fe612eeb9adbc0a321
Author: M1nN-lab <10321804740pfur.ru>
Date:   Mon May 10 19:02:46 2021 +0300

    Initial Commit

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ git remote
origin
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ git remote show origin
* remote origin
  Fetch URL: C:/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello
  Push URL: C:/Users/M1nN-/Desktop/Mat-mod/Lab-01/hello
  HEAD branch: master
  Remote branches:
    master tracked
    style tracked
  Local branch configured for 'git pull':
    master merges with remote master
  Local ref configured for 'git push':
    master pushes to master (up to date)

M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ git branch
* master
M1nN-@DESKTOP-N9AUTK1 MINGW64 ~/Desktop/Mat-mod/Lab-01/cloned_hello (master)
$ |

```

Создал клон

10. Научился извлекать изменения из общего репозитория

```
MINGW64/c:/Users/M1nN-/Desktop/Mat-mod/Lab-01/cloned_hello
commit fbf798f6b768c84e8fefa7638065e1138f99a995 (HEAD -> master, shared/master)
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 21:27:15 2021 +0300

    Added shared comment to readme

commit 639418276a5f3146c58476db5540ca6b2111b397 (origin/master, origin/HEAD, shared)
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 21:21:19 2021 +0300

    Changed README in original repo

commit bd1941d2c903deb94794987b01316c62c2fb9691 (origin/style, style)
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:52:27 2021 +0300

    Updated index.html

commit 57acf99820e44d2775f455b6737714153076ee9d
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:51:44 2021 +0300

    Hello uses style.css

commit 18ed1e3c37d6961c6b7dd84554a1e7b87f3e860e
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:50:43 2021 +0300

    Added css stylesheet

commit bdbd97d2cf2c9178aef867664e5533ff8d390fd
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 21:00:02 2021 +0300

    Added README

commit a20652f93bfd0797c59f85e39181dc6252f70a27
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:45:41 2021 +0300

    Added index.html.

commit dc4c840961f75d61259d717f4cbde729247ab6d6
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:44:16 2021 +0300

    Moved hello.html to lib

commit 7c24ae81c537d4aa88d085e3a58501a34abdbbbe
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:43:04 2021 +0300

    Add an author/email comment

commit d896a07ebfe3901904ceab7d091402842a167c5f (tag: v1)
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:36:56 2021 +0300

    Added HTML header

commit 8f72011b310a79510209283c82690b74de2712f5 (tag: v1-beta)
Author: MrGoosel <poltos.sasha@yandex.ru>
Date: Thu Mar 25 20:36:42 2021 +0300

    ;
```

Извлечения общих изменений

# Выводы

Начал знакомство с GitHub и GitBash, начал изучение языка Markdown.