Федеральное государственное бюджетное образовательное учреждение высшего образования «Национальный исследовательский университет «МЭИ»

Институт информационных и вычислительных технологий

Кафедра Управления и интеллектуальных технологий

**Отчёт по лабораторной работе № 2**

# По курсу «Разработка ПО систем управления»

# «Система контроля версий Git»

# Выполнил студент группы А-03-19

# Шепелин В.А.

Москва 2020

1)Создаем на рабочем столе каталог lab02 для данной ЛР и запустите в нем Git Bash.

2)Создаем папки alice и bob

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02 (master)

$ mkdir alice

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02 (master)

$ mkdir bob

3)создаем в папке alice папку project

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice (master)

$ mkdir project

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice (master)

$ cd project

4)Инициализируем репозитарий в текущем каталоге

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git init

Initialized empty Git repository in C:/Users/vsche/Desktop/lab02/alice/project/.git/

5) Настроим репозитарий Алисы, чтобы коммиты были от ее имени:

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git config user.name 'Alice (IvanovII)'

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git config user.email 'alice@example.com'

6) Запускаем CodeBlocks и создаем проект в репозитарии Алисы.

Project title: project Folder to create project in: C:\lab02\alice Project filename: project.cbp Resulting filename: C:\lab02\alice\project\project.cbp

7) Вернувшись в Git Bash, просмотрим состояние рабочей копии:

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master **//текущая ветка**

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

**//файлы которые отслеживаются**

bin/

main.cpp

obj/

project.cbp

nothing added to commit but untracked files present (use "git add" to track)

*8) Добавим файл main.cpp в отслеживаемые (в индекс):*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: main.cpp

Untracked files:

(use "git add <file>..." to include in what will be committed)

bin/

obj/

project.cbp

*9) Выполним коммит с файлом main.cpp:*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: заголовок программы'

[master (root-commit) e2f18a5] code: заголовок программы

1 file changed, 9 insertions(+)

create mode 100644 main.cpp

*10)Добавляем еще один файл и коммитим его в build*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add project.cbp

warning: LF will be replaced by CRLF in project.cbp.

The file will have its original line endings in your working directory

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'build: project'

[master 3460fec] build: project

1 file changed, 43 insertions(+)

create mode 100644 project.cbp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

bin/

obj/

nothing added to commit but untracked files present (use "git add" to track)

*11) Заменим тело функции main() на ввод двух чисел:*

cout << "Enter A and B: ";

int a, b;

cin >> a >> b;

*12)проверяем состояние рабочей копии*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (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: main.cpp /**/изменённый файл**

Untracked files:

(use "git add <file>..." to include in what will be committed)

bin/

obj/

project.depend

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

*13)добавляем измененный файл в индекс и совершаем коммит*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: ввод чисел'

[master 6e9f3b5] code: ввод чисел

1 file changed, 3 insertions(+), 1 deletion(-)

*14)добавляем в код программы операцию суммы чисел и коммитим*

cout << "A + B = " << a + b << '\n';

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: сумма чисел'

[master 3caf19a] code: сумма чисел

1 file changed, 1 insertion(+)

15)добавляем в код операцию разности чисел и коммитим

cout << "A + B = " << a + b << '\n'

<< "A - B = " << a - b << '\n';

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: разность чисел'

[master 0029d40] code: разность чисел

1 file changed, 2 insertions(+), 1 deletion(-)

*16)создаем файл .gitignore и добавляем в него 2 файла*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

obj/

project.depend

nothing added to commit but untracked files present (use "git add" to track)

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

project.depend

nothing added to commit but untracked files present (use "git add" to track)

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add .gitignore

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: gitignore'

[master 4bfa7d3] code: gitignore

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

*17)проверим журнал репозитория*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate

4bfa7d3 (HEAD -> master) code: gitignore

0029d40 code: разность чисел

3caf19a code: сумма чисел

6e9f3b5 code: ввод чисел

1b0ce6a build: project

eaea2e8 code: заготовка программы

*18)просмотрим последний коммит тремя способами*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git show HEAD

commit 4bfa7d3dc37c335fa28304fcd4336e43c414cb5d (HEAD -> master)

Author: Alice (ShepelinVA) <alice@example.com>

Date: Wed Mar 25 08:40:06 2020 +0300

code: gitignore

**diff --git a/.gitignore b/.gitignore**

**new file mode 100644**

**index 0000000..4c7473d**

**--- /dev/null**

**+++ b/.gitignore**

@@ -0,0 +1,2 @@

+/bin

+/obj

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git show master

commit 4bfa7d3dc37c335fa28304fcd4336e43c414cb5d (HEAD -> master)

Author: Alice (ShepelinVA) <alice@example.com>

Date: Wed Mar 25 08:40:06 2020 +0300

code: gitignore

**diff --git a/.gitignore b/.gitignore**

**new file mode 100644**

**index 0000000..4c7473d**

**--- /dev/null**

**+++ b/.gitignore**

@@ -0,0 +1,2 @@

+/bin

+/obj

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git show 4bfa7d3

commit 4bfa7d3dc37c335fa28304fcd4336e43c414cb5d (HEAD -> master)

Author: Alice (ShepelinVA) <alice@example.com>

Date: Wed Mar 25 08:40:06 2020 +0300

code: gitignore

**diff --git a/.gitignore b/.gitignore**

**new file mode 100644**

**index 0000000..4c7473d**

**--- /dev/null**

**+++ b/.gitignore**

@@ -0,0 +1,2 @@

+/bin

+/obj

*19) Внесем изменения в main.cpp: добавим печать произведения чисел, но не станем пока делать коммит.*

*Просмотрим изменения в рабочей копии*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git diff

**diff --git a/main.cpp b/main.cpp**

**index 5371b30..fbd9488 100644**

**--- a/main.cpp**

**+++ b/main.cpp**

@@ -8,6 +8,7 @@ int main()

int a, b;

cin >> a >> b;

cout << "A + B = " << a + b << '\n'

- << "A - B = " << a - b << '\n';

+ << "A - B = " << a - b << '\n'

+ << "A \* B = " << a \* b << '\n';

return 0;

}

20)посмотрим изменения между самым первым коммитом и коммитом, добавляющим вывод разности

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git diff eaea2e8 0029d40

**diff --git a/main.cpp b/main.cpp**

**index b4392ec..5371b30 100644**

**--- a/main.cpp**

**+++ b/main.cpp**

@@ -4,6 +4,10 @@ using namespace std;

int main()

{

- cout << "Hello world!" << endl;

+ cout << "Enter A and B: ";

+ int a, b;

+ cin >> a >> b;

+ cout << "A + B = " << a + b << '\n'

+ << "A - B = " << a - b << '\n';

return 0;

}

**diff --git a/project.cbp b/project.cbp**

**new file mode 100644**

**index 0000000..ad8f6e9**

**--- /dev/null**

**+++ b/project.cbp**

@@ -0,0 +1,42 @@

+<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>

*21)закоммитим изменения*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: произведение чисел'

[master 375f676] code: произведение чисел

1 file changed, 2 insertions(+), 1 deletion(-)

*22)удалим коммит*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git reset --hard HEAD~1

HEAD is now at 4bfa7d3 code: gitignore

*23)создаем репозиторий на gitgub.com с названием cs-lab02 и вводим рекомендованные команды*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git remote add origin https://github.com/vvvvssss/cs---lab02.git

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git push -u origin master

Enumerating objects: 18, done.

Counting objects: 100% (18/18), done.

Delta compression using up to 8 threads

Compressing objects: 100% (16/16), done.

Writing objects: 100% (18/18), 2.24 KiB | 574.00 KiB/s, done.

Total 18 (delta 2), reused 0 (delta 0)

remote: Resolving deltas: 100% (2/2), done.

To https://github.com/vvvvssss/cs---lab02.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

*24)открываем новый терминал git bash для боба и клонируем проект*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob

$ git clone https://github.com/vvvvssss/cs-lab02.git project

Cloning into 'project'...

remote: Enumerating objects: 18, done.

remote: Counting objects: 100% (18/18), done.

remote: Compressing objects: 100% (14/14), done.

remote: Total 18 (delta 2), reused 18 (delta 2), pack-reused 0

Unpacking objects: 100% (18/18), 2.23 KiB | 16.00 KiB/s, done.vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob

$ cd project

23)добавляем в программу боба печать произведения и делаем коммит

cout << "A + B = " << a + b << '\n'

<< "A - B = " << a - b << '\n'

<< "A \* B = " << a \* b << '\n';

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git commit -m 'code: произведение чисел'

[master 9b9e9b1] code: произведение чисел

1 file changed, 2 insertions(+), 1 deletion(-)

*25)отправляем на github*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 411 bytes | 411.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/vvvvssss/cs-lab02.git

8b78b27..9b9e9b1 master -> master

*26)в каталоге алиса выполняем загрузку изменений*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), 391 bytes | 65.00 KiB/s, done.

From https://github.com/vvvvssss/cs-lab02

8b78b27..9b9e9b1 master -> origin/master

*27)просмотрим историю всех веток*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate --all --graph

\* 9b9e9b1 (origin/master) code: произведение чисел

\* 8b78b27 (HEAD -> master) code: gitignore

\* 18ddf96 code: разность чисел

\* 9f603ff code: сумма чисел

\* b064bb3 code: ввод чисел

\* 027ff26 build: project

\* 4ad5d71 code: заготовка программы

Ветка мастер отстает на один компонент от ветки origin/master

*26)Продвинем ветку master к скачанной версии*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git pull --ff-only

error: Your local changes to the following files would be overwritten by merge:

main.cpp

Please commit your changes or stash them before you merge.

Aborting

Updating 8b78b27..9b9e9b1

*27)от имени алисы добавим в программу печать деления,сделаем коммит,отправим на github и подгрузим на машине боба*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: деление чисел'

[master dff86a8] code: деление чисел

1 file changed, 2 insertions(+), 1 deletion(-)

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 414 bytes | 414.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/vvvvssss/cs-lab02.git

9b9e9b1..dff86a8 master -> master

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), 394 bytes | 32.00 KiB/s, done.

From https://github.com/vvvvssss/cs-lab02

9b9e9b1..dff86a8 master -> origin/master

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git pull --ff-only

Updating 9b9e9b1..dff86a8

Fast-forward

main.cpp | 3 ++-

1 file changed, 2 insertions(+), 1 deletion(-)

*28)на машине алисы добавляем печать максимума, делаем коммит и отправляем на github*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: нахождение максимума'

[master 9883403] code: нахождение максимума

1 file changed, 8 insertions(+)

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 449 bytes | 449.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/vvvvssss/cs-lab02.git

dff86a8..9883403 master -> master

*29)на машине боба добавляем печать минимума,коммитим и отправляем на github*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git commit -m 'code: нахождение минимума'

[master 6ed3205] code: нахождение минимума

1 file changed, 8 insertions(+)

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git push

To https://github.com/vvvvssss/cs-lab02.git

! [rejected] master -> master (fetch first)

error: failed to push some refs to 'https://github.com/vvvvssss/cs-lab02.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

*30)Видим,что появился конфликт,т.к коммит боба основан не на последнем существующем коммите,подгружаем на боба все изменения*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git pull

Auto-merging main.cpp

CONFLICT (content): Merge conflict in main.cpp

Automatic merge failed; fix conflicts and then commit the result.

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master|MERGING)

$ git log --decorate --oneline

6ed3205 (HEAD -> master) code: нахождение минимума

dff86a8 code: деление чисел

9b9e9b1 code: произведение чисел

8b78b27 code: gitignore

18ddf96 code: разность чисел

9f603ff code: сумма чисел

b064bb3 code: ввод чисел

027ff26 build: project

4ad5d71 code: заготовка программы

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate

9883403 (HEAD -> master, origin/master) code: нахождение максимума

dff86a8 code: деление чисел

9b9e9b1 code: произведение чисел

8b78b27 code: gitignore

18ddf96 code: разность чисел

9f603ff code: сумма чисел

b064bb3 code: ввод чисел

027ff26 build: project

4ad5d71 code: заготовка программы

*32)при попытке переместить коммит боба выше коммита алисы всплывает ошибка*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master|MERGING)

$ git rebase origin/master

main.cpp: needs merge

error: cannot rebase: You have unstaged changes.

error: additionally, your index contains uncommitted changes.

error: Please commit or stash them.

Необходимо исправить конфликт в коде боба,получаем

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate --graph

\* 9883403 (HEAD -> master, origin/master) code: нахождение максимума

\* dff86a8 code: деление чисел

\* 9b9e9b1 code: произведение чисел

\* 8b78b27 code: gitignore

\* 18ddf96 code: разность чисел

\* 9f603ff code: сумма чисел

\* b064bb3 code: ввод чисел

\* 027ff26 build: project

\* 4ad5d71 code: заготовка программы

*33)подгружаем за боба исправленную версию*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master|MERGING)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master|MERGING)

$ git commit -m 'code: изменения'

[master a6d870a] code: изменения

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git push

Enumerating objects: 10, done.

Counting objects: 100% (10/10), done.

Delta compression using up to 8 threads

Compressing objects: 100% (6/6), done.

Writing objects: 100% (6/6), 776 bytes | 776.00 KiB/s, done.

Total 6 (delta 2), reused 0 (delta 0)

remote: Resolving deltas: 100% (2/2), completed with 1 local object.

To https://github.com/vvvvssss/cs-lab02.git

9883403..a6d870a master -> master

34)создаем на алисе ветку double и переключаемся на нее

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git branch double

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git checkout double

Switched to branch 'double'

M main.cpp

*35)заменим тип переменных а и b на double и сделаем коммит*

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (double)

$ git add main.cpp

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (double)

$ git commit -m 'code: double'

[double 95ab434] code: double

1 file changed, 1 insertion(+), 1 deletion(-)

*36)сливаем ветку double в мастер:*

git merge double

Merge branch 'double'

# Please enter a commit message to explain why this merge is necessary,

# especially if it merges an updated upstream into a topic branch.

#

# Lines starting with '#' will be ignored, and an empty message aborts

# the commit.

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git pull

Updating 9883403..a6d870a

Fast-forward

main.cpp | 8 ++++++++

1 file changed, 8 insertions(+)

***отчет всех веток репозитория***

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate --all --graph

\* be018bd (HEAD -> master) Merge branch 'double'

|\

| \* 95ab434 (double) code: double

\* | a6d870a (origin/master) code: изменения

|\|

| \* 9883403 code: нахождение максимума

\* | 6ed3205 code: нахождение минимума

|/

\* dff86a8 code: деление чисел

\* 9b9e9b1 code: произведение чисел

\* 8b78b27 code: gitignore

\* 18ddf96 code: разность чисел

\* 9f603ff code: сумма чисел

\* b064bb3 code: ввод чисел

\* 027ff26 build: project

\* 4ad5d71 code: заготовка программы

vsche@DESKTOP-1A01DRC MINGW64 ~/Desktop/lab02/bob/project (master)

$ git log --oneline --decorate --all --graph

\* a6d870a (HEAD -> master, origin/master, origin/HEAD) code: изменения

|\

| \* 9883403 code: нахождение максимума

\* | 6ed3205 code: нахождение минимума

|/

\* dff86a8 code: деление чисел

\* 9b9e9b1 code: произведение чисел

\* 8b78b27 code: gitignore

\* 18ddf96 code: разность чисел

\* 9f603ff code: сумма чисел

\* b064bb3 code: ввод чисел

\* 027ff26 build: project

\* 4ad5d71 code: заготовка программы