Лабораторная работа №2

Отчёт

**Разработка программного обеспечения систем управления**

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А-01-19

1. ***Создаем на рабочем столе каталог lab02 для данной ЛР. Нажимаем правой кнопкой мыши в этой папке и выбираем Git Bash.***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New

$ mkdir alice

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New

$ mkdir bob

1. ***Переходим в папку alice***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New

$ cd alice

1. ***Создаем папку project и переходим в нее, выходим и снова заходим***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice

$ mkdir project

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice

$ cd project

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project

$ cd ..

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice

$ cd project

1. ***Инициализируем репозиторий в текущем каталоге***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project

$ git init

Initialized empty Git repository in C:\Program Files (x86)\Git\_hub\Second\_Lab\_New\.git\

1. ***Настроим репозитарий Алисы, чтобы коммиты были от ее имени:***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

1. ***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:\Program Files (x86)\Git\_hub\Second\_Lab\_New\alice\project\project.cbp

1. ***Вернувшись в Git Bash, просмотрим состояние рабочей копии:***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git status

On branch master

No commits yet

Untracked files:

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

bin/

main.cpp

obj/

project.cbp

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git status

On branch master

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

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

1. ***Выполним коммит с файлом main.cpp:***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m' code: заготовка программы'

[master (root-commit) a5003ee] code: заготовка программы

1 file changed, 9 insertions(+)

create mode 100644 main.cpp

1. ***Выполним коммит с файлом main.cpp:***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'build: project'

[master fa2e5bf] build: project

1 file changed, 43 insertions(+)

create mode 100644 project.cbp

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

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

***int a, b;***

***cin >> a >> b;***

1. ***проверяем состояние рабочей копии***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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

Untracked files:

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

bin/

obj/

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

1. ***добавляем измененный файл в индекс и совершаем коммит***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: ввод чисел'

[master 6e5de96] code: ввод чисел

1 file changed, 5 insertions(+), 1 deletion(-)

1. ***добавляем в код программы операцию суммы чисел и коммитим***

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: сумма чисел'

[master 68a71ec] code: сумма чисел

1 file changed, 1 insertion(+)

1. ***добавляем в код операцию разности чисел и коммитим***

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: разность чисел'

[master ecc6d0e] code: разность чисел

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

1. ***создаем файл .gitignore и добавляем в него 2 файла(/bin и /obj)***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add .gitignore

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: gitignore'

[master 3087bbc] code: gitignore

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

1. ***посмотрим историю репозитория***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git log --oneline --decorate

\* 50ae065(HEAD -> master) code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

1. ***просмотрим последний коммит тремя способами***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git show HEAD

commit 3087bbcf0307e1abc02ea7775393cfb26a31274a (HEAD -> master)

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

Date: Mon Apr 23 17:20:10 2020 +0400

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git show master

commit 3087bbcf0307e1abc02ea7775393cfb26a31274a (HEAD -> master)

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

Date: Mon Apr 23 17:20:10 2020 +0400

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git show 3087bbc

commit 3087bbcf0307e1abc02ea7775393cfb26a31274a (HEAD -> master)

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

Date: Mon Apr 23 17:20:10 2020 +0400

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

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git diff

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

index 078a9f1..ef43f10 100644

--- a/main.cpp

+++ b/main.cpp

@@ -10,6 +10,7 @@ int main()

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;

}

1. ***Просмотрим изменения между самым первым коммитом и коммитом, добавляющим вывод разности***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git diff ac67e0f ecc6d0e

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

index b4392ec..078a9f1 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,6 +4,12 @@ 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..e066312

--- /dev/null

+++ b/project.cbp

1. ***Добавим коммит***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: произведение чисел'

[master 497b985] code: произведение чисел

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

1. ***удалим последний коммит***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git reset --hard HEAD~1

HEAD is now at 3087bbc code: gitignore

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git remote add origin https://github.com/JustAnother-User/Lab2\_re.git

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git push -u origin master

Enumerating objects: 15, done.

Counting objects: 100% (15/15), done.

Delta compression using up to 4 threads

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

Writing objects: 100% (15/15), 1.96 KiB | 402.00 KiB/s, done.

Total 15 (delta 2), reused 0 (delta 0)

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

To https://github.com/JustAnother-User/Lab2\_re.git

\* [new branch] master -> master

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

1. ***открываем новый терминал git bash для боба и клонируем проект***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob

$ git clone https://github.com/JustAnother-User/Lab2\_re.git project

Cloning into 'project'...

remote: Enumerating objects: 21, done.

remote: Counting objects: 100% (21/21), done.

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

remote: Total 21 (delta 3), reused 21 (delta 3), pack-reused 0

Unpacking objects: 100% (21/21), 2.56 KiB | 22.00 KiB/s, done.

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob

$ cd project

1. ***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';***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git commit -m 'code: произведение чисел'

On branch master

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

nothing to commit, working tree clean

1. ***отправляем на github***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git push

Enumerating objects: 21, done.

Counting objects: 100% (21/21), done.

Delta compression using up to 4 threads

Compressing objects: 100% (19/19), done.

Writing objects: 100% (21/21), 2.58 KiB | 439.00 KiB/s, done.

Total 21 (delta 3), reused 0 (delta 0)

remote: Resolving deltas: 100% (3/3), done.

To https://github.com/JustAnother-User/Lab2\_re.git

\* [new branch] master -> master

1. ***в каталоге алиса выполняем загрузку изменений***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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), 351 bytes | 10.00 KiB/s, done.

From https://github.com/JustAnother-User/Lab2\_re.git

ecc6d0e..7994dec master -> origin/master

1. ***просмотрим историю всех веток***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

\* 7c47a60 (origin/master, origin/HEAD) code: деление чисел

\* 8f56e10(HEAD -> master) code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

***Ветка мастер отстает на один компонент от ветки origin/master***

1. ***Продвинем ветку master к скачанной версии***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git pull --ff-only

Updating ecc6d0e..7994dec

Fast-forward

main.cpp | 3 ++-

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

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: деление чисел'

[master 58972e7] code: деление чисел

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git push

Enumerating objects: 5, done.

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

Delta compression using up to 4 threads

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

Writing objects: 100% (3/3), 378 bytes | 378.00 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/JustAnother-User/Lab2\_re.git

7994dec..58972e7 master -> master

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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), 358 bytes | 9.00 KiB/s, done.

From https://github.com/Mark-kaz/cs-lab02

7994dec..58972e7 master -> origin/master

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

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

\* 359c021(HEAD -> master,origin/master) code: деление чисел

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git pull --ff-only

Updating 7994dec..58972e7

Fast-forward

main.cpp | 3 ++-

1. ***на машине алисы добавляем печать максимума, делаем коммит и отправляем на github***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git commit -m 'code: нахождение максимума'

[master 7166bc1] code: нахождение максимума

1 file changed, 8 insertions(+)

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git push

Enumerating objects: 5, done.

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

Delta compression using up to 4 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/JustAnother-User/Lab2\_re.git

58972e7..7166bc1 master -> master

1. ***на машине боба добавляем печать минимума,коммитим и отправляем на github***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git commit -m 'code: нахождение миимума'

[master 0b0a9fc] code: нахождение миимума

1 file changed, 8 insertions(+)

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git push

To https://github.com/JustAnother-User/Lab2\_re.git

! [rejected] master -> master (non-fast-forward)

error: failed to push some refs to 'https://github.com/JustAnother-User/Lab2\_re.git'

hint: Updates were rejected because the tip of your current branch is behind

hint: its remote counterpart. Integrate the remote changes (e.g.

hint: 'git pull ...') before pushing again.

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

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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.

1. ***Получаем историю веток***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master|MERGING)

$ git log --decorate --oneline

\* 2ad13d1 code (HEAD -> master): нахождение минимума

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

\* | 7c47a60 code: деление чисел

|/

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git log --oneline --decorate

\* 2ad13d1 code (HEAD -> master,origin/master): нахождение максимума

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

\* | 7c47a60 code: деление чисел

|/

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

1. ***при попытке переместить коммит боба выше коммита алисы всплывает ошибка***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/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.

1. ***Необходимо исправить конфликт в коде боба,получаем***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

\* 2ad13d1 code (HEAD -> master): нахождение максимума

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

\* | 7c47a60 code: деление чисел

|/

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master|MERGING)

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

\* 035693d (HEAD -> master) code: нахождение минимума

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

\* | 7c47a60 code: деление чисел

|/

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

1. ***подгружаем за боба исправленную***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master|MERGING)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master|MERGING)

$ git commit -m 'code: изменения'

[master 56275f7] code: изменения

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/bob/project (master)

$ git push

Enumerating objects: 10, done.

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

Delta compression using up to 4 threads

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

Writing objects: 100% (6/6), 695 bytes | 231.00 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/JustAnother-User/Lab2\_re.git

7166bc1..56275f7 master -> master

1. ***создаем на алисе ветку double и переключаемся на нее***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git branch double

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git checkout double

Switched to branch 'double'

1. ***заменим тип переменных а и b на double и сделаем коммит***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (double)

$ git add main.cpp

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (double)

$ git commit -m 'code: double'

[double cde13f7] code: double

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

1. ***сливаем ветку double в мастер:***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

***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.

$ git merge double

Updating 7166bc1..cde13f7

Fast-forward

main.cpp | 2 +-

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

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

\* 914957a (HEAD -> master) code: a

| \* cde13f7 code: double

| \* 56275f7 code: double

|\ \

| \* | 63b3d87 code: исправленная

| |/

\* | 35956d7 code: исправленная боба

|\ \

| |/

| \* 2ad13d1 code: нахождение максимума

\* | 035693d code: нахождение минимума

|/

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

\* | 7c47a60 code: деление чисел

|/

\* 8f56e10 code: произведение чисел

\* 50ae065 code: gitignore

\* 562fc51 code: разность чисел

\* 3331878 code: сумма чисел

\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

$ git merge double

Auto-merging main.cpp

hint: Waiting for your editor to close the file... 0 [sig] bash 935! sigpacket::process: Suppressing signal 18 to win32 process (pid 6760)

168071 [sig] bash 935! sigpacket::process: Suppressing signal 18 to win32 process (pid 6760)

1148902 [sig] bash 935! sigpacket::process: Suppressing signal 18 to win32 process (pid 6760)

1735588 [sig] bash 935! sigpacket::process: Suppressing signal 18 to win32 process (pid 6760)

2226293 [sig] bash 935! sigpacket::process: Suppressing signal 18 to win32 process (pid 6760)

Merge made by the 'recursive' strategy.

main.cpp | 2 +-

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

***отчет всех веток репозитория***

Wolf@LAPTOP-ALROIOQ6 MINGW64 /C/Program Files (x86)/Git\_hub/Second\_Lab\_New/alice/project (master)

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

\* daf52d6 (HEAD, master) Merge branch 'double' ii

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| \* cde13f7 code: double

| \* 56275f7 code: double

\* | 914957a code: a

|\ \

| \* | 63b3d87 code: исправленная

| |/

\* | 35956d7 code: исправленная боба

|\ \

| |/

| \* 2ad13d1 code: нахождение максимума

\* | 035693d code: нахождение минимума

|/

\* 5c3c175 code: изменения

|\

| \* 359c021 code: деление чисел

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\* c82f9ba code: ввод чисел

\* d0c51cc build: project

\* 2373b48 code: заготовка программы