mkdir alice

mkdir bob

cd alice

mkdir project

cd project

cd ..

cd project

git init

git config user.name 'Alice (KozlyukDA)'

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

git config user.name 'Dmitry (ShepelevDD)'

git config user.email 'shepelev.mit@yandex.ru'

git status

On branch master

No commits yet

Untracked files:

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

main.cpp

project.cbp

project.layout

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

git add main.cpp

git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached ..." to unstage)

new file: main.cpp

Untracked files:

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

project.cbp

project.layout

пояснить изменения в отчете (добавился мэйн спп)  
git commit -m 'code: заготовка программы'

git add project.cbp

git commit -m 'build: update CMake version'

$ git commit -m "..."

git status

On branch master

Untracked files:

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

project.layout

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

пояснить различия между сдучаем, когда добавляется новый файл, и когда изменился существующий

три точки – должен был быть мой комментарий (добавлен ввод чисел а и б)

git add -u

git commit -m "ввод суммы"

git commit -a -m "вывод разности"

git status

On branch master

Untracked files:

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

.gitignore

obj/

project.layout

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

git status

On branch master

Untracked files:

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

.gitignore

project.layout

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

Игнорируются бин и обж   
git add .gitignore

git commit -m 'git: gitignore bin and obj'

git log --stat

commit a9dca34f8f16dd160d99b26efca5980e53105fbb (HEAD -> master)

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:52:14 2020 +0300

git: gitignore bin and obj

.gitignore | 2 ++

1 file changed, 2 insertions(+)

commit a0f3612e3e1fd6a8db1917e8a442c59f1f118449

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:38:04 2020 +0300

вывод разности

main.cpp | 3 ++-

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

commit 7c4ad6289482ee639f3b75e9d4a46afd9a0fa3bc

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:35:15 2020 +0300

ввод суммы

:

main.cpp | 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

commit 50b6278526c0793d5c26777850c8646c6df6f0cb

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:15:36 2020 +0300

build: update CMake version

project.cbp | 43 +++++++++++++++++++++++++++++++++++++++++++

1 file changed, 43 insertions(+)

commit ec59dddf64c18c225f8c6cd70a9b3ecaaa075f25

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:06:23 2020 +0300

code: заготовка программы

main.cpp | 9 +++++++++

1 file changed, 9 insertions(+)

git log --oneline --decorate

a9dca34 (HEAD -> master) git: gitignore bin and obj

a0f3612 вывод разности

7c4ad62 ввод суммы

50b6278 build: update CMake version

ec59ddd code: заготовка программы

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

\* a9dca34 (HEAD -> master) git: gitignore bin and obj

\* a0f3612 вывод разности

\* 7c4ad62 ввод суммы

\* 50b6278 build: update CMake version

\* ec59ddd code: заготовка программы

git log --grep "build:"

git log -- project.cbp

git show HEAD~1

commit a0f3612e3e1fd6a8db1917e8a442c59f1f118449

Author: Dmitry (ShepelevDD)

Date: Fri Mar 13 10:38:04 2020 +0300

вывод разности

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

index ef63b64..89e08b1 100644

--- a/main.cpp

+++ b/main.cpp

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

cout << "Enter A and B: ";

int a, b;

cin >> a >> b;

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

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

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

return 0;

}

git show a0f3612e3e1fd6a8db1917e8a442c59f1f118449

git diff

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

index 89e08b1..d0466ba 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;

}

В отчете необходимо пояснить все компоненты отображаемого патча  
git diff HEAD~2

git diff HEAD~2 HEAD

git diff ec59ddd

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

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

index b4392ec..d0466ba 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,6 +4,11 @@ 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'

+ << "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

@@ -0,0 +1,43 @@

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Подробнее фото в телефоне 11 21  
git reset --hard HEAD~1

git checkout HEAD -- main.cpp

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

git push -u origin master

боб: git clone https://github.com/ShepelevDD/cs-lab02.git project

cd project

git config user.name 'Bob (ShepelevDD)'

git config user.email 'bob@example.com'

git add main.cpp

git commit -m "вывод произведения"

git show HEAD

git push

Алиса:  
git fetch

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

git pull --ff-only

git add main.cpp

git commit -m "вывод деления"

git push

Боб:  
git fetch

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

git pull --ff-only

Алиса:  
git add main.cpp

git commit -m "вывод максимума"

git push

Боб:  
git add main.cpp

git commit -m "вывод минимума"

git fetch

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

\* 39a9a10 (origin/master, origin/HEAD) вывод максимума

\* f28085a (HEAD -> master) вывод деления

\* af7da79 вывод произведения

\* a9dca34 git: gitignore bin and obj

\* a0f3612 вывод разности

\* 7c4ad62 ввод суммы

\* 50b6278 build: update CMake version

\* ec59ddd code: заготовка программы

git rebase origin/master

First, rewinding head to replay your work on top of it...

Applying: вывод минимума

Using index info to reconstruct a base tree...

M main.cpp

Falling back to patching base and 3-way merge...

Auto-merging main.cpp

CONFLICT (content): Merge conflict in main.cpp

error: Failed to merge in the changes.

hint: Use 'git am --show-current-patch' to see the failed patch

Patch failed at 0001 вывод минимума

Resolve all conflicts manually, mark them as resolved with

"git add/rm ", then run "git rebase --continue".

You can instead skip this commit: run "git rebase --skip".

To abort and get back to the state before "git rebase", run "git rebase --abort"

.

Просмотреть состояние хранилища и пояснить в отчете  
git add main.cpp

git rebase --continue

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

\* f2ed2ff (HEAD -> master) вывод минимума

\* 39a9a10 (origin/master, origin/HEAD) вывод максимума

\* f28085a вывод деления

\* af7da79 вывод произведения

\* a9dca34 git: gitignore bin and obj

\* a0f3612 вывод разности

\* 7c4ad62 ввод суммы

\* 50b6278 build: update CMake version

\* ec59ddd code: заготовка программы

Алиса:   
git branch double

git checkout double

git add main.cpp

git commit -m "замена типа переменных a и b на double"

git checkout master