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-02-19

# Викторов Г.О.

# Проверили

# Мохов А. С.

# Козлюк Д. А.

Москва 2020

# Цель работы

1. Знать понятия и компоненты систем контроля версий (СКВ), порядок и приемы работы с ними.
2. Уметь участвовать в командной разработке, используя конкретную СКВ — Git, а также популярный хостинг репозитариев — GitHub.

***Отчет Алиса:***

u115-10@PROG-07 MINGW32 ~/Desktop/lab02

$ ls

otchet.txt

u115-10@PROG-07 MINGW32 ~/Desktop/lab02

$ mkdir alice

u115-10@PROG-07 MINGW32 ~/Desktop/lab02

$ mkdir bob

u115-10@PROG-07 MINGW32 ~/Desktop/lab02

$ cd alice/

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice

$ mkdir project

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice

$ cd project/

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project

$ cd ..

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice

$ cd project/

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project

$ git init ***-инициализация git***

Initialized empty Git repository in C:/Users/u115-10/Desktop/lab02/alice/project

/.git/

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master *-находимся на ветке master*

No commits *yet -нет созданных коммитов*

Untracked files:

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

bin/

main.cpp *-не отслеживаемые файлы*

obj/

project.cbp

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'code: заготовка программы'

[master (root-commit) 4679064] code: заготовка программы

1 file changed, 9 insertions(+)

create mode 100644 main.cpp

u115-10@PROG-07 MINGW32 ~/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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m 'build'

[master e918a1a] build

1 file changed, 43 insertions(+)

create mode 100644 project.cbp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Changes not staged for commit:

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

(use "git checkout -- ..." to discard changes in working directory)

modified: main.cpp *-модифицирован файл main.cpp и не добавлен*

Untracked files:

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

bin/

obj/

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "change code"

[master 6ad7d2a] change code

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add -u

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "cout summ"

[master 1b40fc4] cout summ

1 file changed, 1 insertion(+)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -a -m "add difference"

[master 9c4f1d9] add difference

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

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

bin/

obj/

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

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

.gitignore

bin/

obj/

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

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

.gitignore

bin/

obj/

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

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

.gitignore

obj/

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Untracked files:

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

.gitignore

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "git:ignore bin adn obj"

On branch master

Untracked files:

.gitignore

nothing added to commit but untracked files present

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add .gitignore

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "git:ignore bin adn obj"

[master 84ea80a] git:ignore bin adn obj

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

...skipping...

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

build

commit 4679064ccdc1816da3490384b97f6b8dc690e0d0

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:49:28 2020 +0300

code: заготовка программы

...skipping...

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

build

commit 4679064ccdc1816da3490384b97f6b8dc690e0d0

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:49:28 2020 +0300

code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log --stat

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn *obj -видим что в файл gitignore внесено 2 изменения*

.gitignore | 2 ++

1 file changed, 2 insertions(+)

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

main.cpp | 3 ++-

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

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

main.cpp | 1 +

1 file changed, 1 insertion(+)

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

main.cpp | 4 +++-

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

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

build

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

1 file changed, 43 insertions(+)

commit 4679064ccdc1816da3490384b97f6b8dc690e0d0

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:49:28 2020 +0300

code: заготовка программы

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

1 file changed, 9 insertions(+)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log --oneline --decorate

84ea80a (HEAD -> master) git:ignore bin adn obj

9c4f1d9 add difference

1b40fc4 cout *summ -показывает коммиты более кратко и с их идент*

*6ad7d2a change code номерами(без автора и даты)*

e918a1a build

4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

\* 84ea80a (HEAD -> master) git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code *-выводит коммиты также как в прошлом случае*

\* e918a1a build *но с декорацией в виде звездочек*

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log -- main.cpp

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

commit 4679064ccdc1816da3490384b97f6b8dc690e0d0

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:49:28 2020 +0300

code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log --grep "code:"

commit 4679064ccdc1816da3490384b97f6b8dc690e0d0

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:49:28 2020 +0300

code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log --grep "build"

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

build

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log -- project.cbp

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

build

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show 9c4f1d9

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference *-смотрим предпоследний коммит*

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

index e7d3170..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show master

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show HEAD

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show 84ea80a

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show 9c4f1d9

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

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

index e7d3170..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show master

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show HEAD~1

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

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

index e7d3170..be7278e 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'*; -удалилась 1 строка добавились 2 новые*

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

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

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git show master

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff

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

index be7278e..781f456 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' -добавили печать произведения чисел и заметим что удалена 1 строка*

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

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~2

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 e7d3170..781f456 100644

--- a/main.cpp

+++ b/main.cpp

@@ -7,6 +7,8 @@ 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'

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

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~2 HEAD

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 e7d3170..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD~

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

index b4392ec..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD

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

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..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD~1

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

index b4392ec..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD~2

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

index b4392ec..e7d3170 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,6 +4,9 @@ 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';

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD~3

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

index b4392ec..8568169 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,6 +4,8 @@ using namespace std;

int main()

{

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

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

+ int a,b;

+ cin>> a>> b;

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD~4

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~4 HEAD

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..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~3 HEAD

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 8568169..be7278e 100644

--- a/main.cpp

+++ b/main.cpp

@@ -7,5 +7,7 @@ int main()

cout <<"Enter A and B : ";

int a,b;

cin>> a>> b;

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

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

return 0;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~5 HEAD

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..be7278e 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;

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~1 HEAD

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

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

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

+/bin

+/obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~2 HEAD

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 e7d3170..be7278e 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;

}

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff HEAD~2 4679064

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

index e7d3170..b4392ec 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,9 +4,6 @@ using namespace std;

int main()

{

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

- int a,b;

- cin>> a>> b;

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

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

return 0;

}

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

deleted file mode 100644

index e066312..0000000

--- a/project.cbp

+++ /dev/null

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

-

-

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git diff 9c4f1d9 4679064

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

index be7278e..b4392ec 100644

--- a/main.cpp

+++ b/main.cpp

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

int main()

{

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

- int a,b;

- cin>> a>> b;

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

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

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

return 0;

}

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

deleted file mode 100644

index e066312..0000000

--- a/project.cbp

+++ /dev/null

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

-

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add -u

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "add multiple"

[master 078aba4] add multiple

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git reset --hard HEAD~1

HEAD is now at 84ea80a git:ignore bin adn obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git checkout HEAD -- main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push -u origin master

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

git push -u origin master

Enumerating objects: 18, done.

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

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

Writing objects: 100% (18/18), 2.17 KiB | 202.00 KiB/s, done.

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

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

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

\* [new branch] master -> master

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

fatal: remote origin already exists.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push -u origin master

Everything up-to-date

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git remote -v

origin https://github.com/ViktorovGO/cs-lab02.git (fetch)

origin https://github.com/ViktorovGO/cs-lab02.git (push)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ ^C

u115-10@PROG-07 MINGW32 ~/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), done.

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

84ea80a..d1f4ad3 master -> origin/master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

\* d1f4ad3 (origin/master) code: multiple

\* 84ea80a (HEAD -> master) git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git pull --ff --only

error: unknown option `only'

usage: git pull [] [ [...]]

-v, --verbose be more verbose

-q, --quiet be more quiet

--progress force progress reporting

--recurse-submodules[=]

control for recursive fetching of submodules

Options related to merging

-r, --rebase[=(false|true|merges|preserve|interactive)]

incorporate changes by rebasing rather than merging

-n do not show a diffstat at the end of the merge

--stat show a diffstat at the end of the merge

--log[=] add (at most ) entries from shortlog to merge commi

t message

--signoff[=...] add Signed-off-by:

--squash create a single commit instead of doing a merge

--commit perform a commit if the merge succeeds (default)

--edit edit message before committing

--ff allow fast-forward

--ff-only abort if fast-forward is not possible

--verify-signatures verify that the named commit has a valid GPG signature

--autostash automatically stash/stash pop before and after rebase

-s, --strategy

merge strategy to use

-X, --strategy-option

option for selected merge strategy

-S, --gpg-sign[=]

GPG sign commit

--allow-unrelated-histories

allow merging unrelated histories

Options related to fetching

--all fetch from all remotes

-a, --append append to .git/FETCH\_HEAD instead of overwriting

--upload-pack path to upload pack on remote end

-f, --force force overwrite of local branch

-t, --tags fetch all tags and associated objects

-p, --prune prune remote-tracking branches no longer on remote

-j, --jobs[=] number of submodules pulled in parallel

--dry-run dry run

-k, --keep keep downloaded pack

--depth deepen history of shallow clone

--unshallow convert to a complete repository

--update-shallow accept refs that update .git/shallow

--refmap specify fetch refmap

-4, --ipv4 use IPv4 addresses only

-6, --ipv6 use IPv6 addresses only

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git pull --ff -only

error: unknown switch `o'

usage: git pull [] [ [...]]

-v, --verbose be more verbose

-q, --quiet be more quiet

--progress force progress reporting

--recurse-submodules[=]

control for recursive fetching of submodules

Options related to merging

-r, --rebase[=(false|true|merges|preserve|interactive)]

incorporate changes by rebasing rather than merging

-n do not show a diffstat at the end of the merge

--stat show a diffstat at the end of the merge

--log[=] add (at most ) entries from shortlog to merge commi

t message

--signoff[=...] add Signed-off-by:

--squash create a single commit instead of doing a merge

--commit perform a commit if the merge succeeds (default)

--edit edit message before committing

--ff allow fast-forward

--ff-only abort if fast-forward is not possible

--verify-signatures verify that the named commit has a valid GPG signature

--autostash automatically stash/stash pop before and after rebase

-s, --strategy

merge strategy to use

-X, --strategy-option

option for selected merge strategy

-S, --gpg-sign[=]

GPG sign commit

--allow-unrelated-histories

allow merging unrelated histories

Options related to fetching

--all fetch from all remotes

-a, --append append to .git/FETCH\_HEAD instead of overwriting

--upload-pack path to upload pack on remote end

-f, --force force overwrite of local branch

-t, --tags fetch all tags and associated objects

-p, --prune prune remote-tracking branches no longer on remote

-j, --jobs[=] number of submodules pulled in parallel

--dry-run dry run

-k, --keep keep downloaded pack

--depth deepen history of shallow clone

--unshallow convert to a complete repository

--update-shallow accept refs that update .git/shallow

--refmap specify fetch refmap

-4, --ipv4 use IPv4 addresses only

-6, --ipv6 use IPv6 addresses only

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git pull --ff-only

Updating 84ea80a..d1f4ad3

Fast-forward

main.cpp | 3 ++-

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "add divide"

[master 8bcee35] add divide

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push

Enumerating objects: 5, done.

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

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

Writing objects: 100% (3/3), 383 bytes | 191.00 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/ViktorovGO/cs-lab02.git

d1f4ad3..8bcee35 master -> master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "cout max"

On branch master

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

Changes not staged for commit:

modified: project.cbp

Untracked files:

project.depend

project.layout

no changes added to commit

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git commit -m "cout max"

[master 56eac45] cout max

1 file changed, 8 insertions(+)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push

Enumerating objects: 5, done.

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

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

Writing objects: 100% (3/3), 392 bytes | 196.00 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/ViktorovGO/cs-lab02.git

8bcee35..56eac45 master -> master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git branch double

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git checkout double

Switched to branch 'double'

M project.cbp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (double)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (double)

$ git commit -m "int=double"

[double 8383f7b] int=double

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (double)

$ git checkout master

Switched to branch 'master'

M project.cbp

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ get fetch

bash: get: command not found

u115-10@PROG-07 MINGW32 ~/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), done.

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

56eac45..7ffcdf4 master -> origin/master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log

commit 56eac45b79493f8b9467fd424ef7e512878bc3df (HEAD -> master)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push

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

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

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

fatal: unrecognized argument: -oneline

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

\* 8383f7b (double) int=double

| \* 7ffcdf4 (origin/master) cout min

|/

\* 56eac45 (HEAD -> master) cout max

\* 8bcee35 add divide

\* d1f4ad3 code: multiple

\* 84ea80a git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git merge double

Updating 56eac45..8383f7b

Fast-forward

main.cpp | 2 +-

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

error: did you mean `--decorate` (with two dashes ?)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

\* 8383f7b (HEAD -> master, double) int=double

| \* 7ffcdf4 (origin/master) cout min

|/

\* 56eac45 cout max

\* 8bcee35 add divide

\* d1f4ad3 code: multiple

\* 84ea80a git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push

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

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

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git status

On branch master

Your branch and 'origin/master' have diverged,

and have 1 and 1 different commits each, respectively.

(use "git pull" to merge the remote branch into yours)

Changes not staged for commit:

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

(use "git checkout -- ..." to discard changes in working directory)

modified: project.cbp

Untracked files:

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

project.depend

project.layout

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git log

commit 8383f7b8e6306912fc6affe540d7c7ce69a5d976 (HEAD -> master, double)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 12:09:09 2020 +0300

int=double

commit 56eac45b79493f8b9467fd424ef7e512878bc3df

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git merge double

Already up to date.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git fetch

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git reset --hard origin/master

HEAD is now at 7ffcdf4 cout min

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git merge double

Auto-merging main.cpp

Merge made by the 'recursive' strategy.

main.cpp | 2 +-

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

error: did you mean `--decorate` (with two dashes ?)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

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

\* ed1ffd8 (HEAD -> master) Merge branch 'double'

|\

| \* 8383f7b (double) int=double

\* | 7ffcdf4 (origin/master) cout min

|/

\* 56eac45 cout max

\* 8bcee35 add divide

\* d1f4ad3 code: multiple

\* 84ea80a git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$ git push

Enumerating objects: 10, done.

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

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

Writing objects: 100% (6/6), 729 bytes | 243.00 KiB/s, done.

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

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

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

7ffcdf4..ed1ffd8 master -> master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/alice/project (master)

$

***Отчет Боб:***

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob

$ git clone https://github.com/ViktorovGO/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), done.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob

$ cd project/

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git config user.name "Bob(ViktorovGO)"

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git config user.email "bob@example.com"

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git commit -m "code: multiple"

[master d1f4ad3] code: multiple

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git status

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git log

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f (HEAD -> master)

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b (origin/master, origin/HEAD)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git push

Enumerating objects: 5, done.

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

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

Writing objects: 100% (3/3), 363 bytes | 181.00 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/ViktorovGO/cs-lab02.git

84ea80a..d1f4ad3 master -> master

u115-10@PROG-07 MINGW32 ~/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), done.

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

d1f4ad3..8bcee35 master -> origin/master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

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

\* 8bcee35 (origin/master, origin/HEAD) add divide

\* d1f4ad3 (HEAD -> master) code: multiple

\* 84ea80a git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git pull --ff-only

Updating d1f4ad3..8bcee35

Fast-forward

main.cpp | 3 ++-

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git commit -m "cout min"

[master d85729a] cout min

1 file changed, 8 insertions(+)

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git push

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

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

error: failed to push some refs to 'https://github.com/ViktorovGO/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.

u115-10@PROG-07 MINGW32 ~/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), done.

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

8bcee35..56eac45 master -> origin/master

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git log

commit d85729a55d8517b0989b61f2ad0f867d7e482e4f (HEAD -> master)

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:51:36 2020 +0300

cout min

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

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

fatal: unrecognized argument: -graph

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

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

\* d85729a (HEAD -> master) cout min

| \* 56eac45 (origin/master, origin/HEAD) cout max

|/

\* 8bcee35 add divide *-Видим что ветка мастер раздвоилась*

\* d1f4ad3 code: multiple

\* 84ea80a git:ignore bin adn obj

\* 9c4f1d9 add difference

\* 1b40fc4 cout summ

\* 6ad7d2a change code

\* e918a1a build

\* 4679064 code: заготовка программы

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git fetch

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git log

commit d85729a55d8517b0989b61f2ad0f867d7e482e4f (HEAD -> master)

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:51:36 2020 +0300

cout min

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

git:ignore bin adn obj

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git log --all

commit d85729a55d8517b0989b61f2ad0f867d7e482e4f (HEAD -> master)

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:51:36 2020 +0300

cout min

commit 56eac45b79493f8b9467fd424ef7e512878bc3df (origin/master, origin/HEAD)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

error: cannot rebase: You have unstaged changes. *–замечаем что у нас есть незафиксированные*

*error: Please commit or stash them. изменения*

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git diff

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

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

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git reset --hard HEAD

HEAD is now at d85729a cout min

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git rebase origin/master

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

Applying: cout min

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 cout min

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"

.

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master|REBASE 1/1)

$ git log

commit 56eac45b79493f8b9467fd424ef7e512878bc3df (HEAD, origin/master, origin/HEA

D)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

add divide

commit d1f4ad3ff3048064f5b753653da57dc7bc63c50f

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

commit 84ea80a4d353faf7b9e10754839ac4538ce1964b

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:18:31 2020 +0300

...skipping...

commit 56eac45b79493f8b9467fd424ef7e512878bc3df (HEAD, origin/master, origin/HEA

D)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:36:49 2020 +0300

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Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:24:54 2020 +0300

code: multiple

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Author: Alice (ViktorovGO)

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commit 9c4f1d944cca858d7ce82dffb139b019532b5f0f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:06:15 2020 +0300

add difference

commit 1b40fc4b6334d21d555918e3d4dbbea7fbe1fd3f

Author: Alice (ViktorovGO)

Date: Fri Mar 13 10:01:55 2020 +0300

cout summ

commit 6ad7d2a07883949e75de0a9e83187d72193efab9

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:56:39 2020 +0300

change code

commit e918a1adc42daab24eaab72382b2c86667d0f0f8

Author: Alice (ViktorovGO)

Date: Fri Mar 13 09:51:53 2020 +0300

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master|REBASE 1/1)

$ git add main.cpp

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master|REBASE 1/1)

$ git rebase --continue

Applying: cout min

u115-10@PROG-07 MINGW32 ~/Desktop/lab02/bob/project (master)

$ git log

commit 7ffcdf4322fd03d9788c03cfa7182154530d0843 (HEAD -> master)

Author: Bob(ViktorovGO)

Date: Fri Mar 13 11:51:36 2020 +0300

cout min

commit 56eac45b79493f8b9467fd424ef7e512878bc3df (origin/master, origin/HEAD)

Author: Alice (ViktorovGO)

Date: Fri Mar 13 11:48:45 2020 +0300

cout max

commit 8bcee35372674dd94db1406d796e9853518ce2c2

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$ git push

Enumerating objects: 5, done.

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

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

Writing objects: 100% (3/3), 363 bytes | 181.00 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/ViktorovGO/cs-lab02.git

56eac45..7ffcdf4 master -> master