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 № 1**

По курсу «Разработка ПО систем управления»

«Основы языка С++»

# Выполнил студент группы А-01-19

# Кононенко Александр Вячеславович

# Проверили:

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Москва 2020

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master //главная ветвь

No commits yet //на этой ветке пока нет коммитов

Untracked files: //непрослеживаемые файлы

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

main.cpp

project.cbp

nothing added to commit but untracked files present (use "git add" to track) //файлы не добавлены, чтобы создать коммит нужно добавить файлы

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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 //можно вернуть файл к состоянию, соответствующему последнему коммиту, или обновить файл в корне репозитория для создания нового коммита

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")

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat

commit f5d60a76582a7c5d079f336104bffcfad4a2870a (HEAD -> master) //название коммита (главная ветка)

Author: Alice (KononenkoAV) [alice@example.com](mailto:alice@example.com) //указанный при инициализации емайл

Date: Fri Apr 24 16:50:26 2020 +0300 //дата и время создания коммита

git: gitignore //комментарий коммита

.gitignore | 1 + //добавление 1 строки файла

1 file changed, 1 insertion(+) //1 файл изменён, 1 вставка

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git show HEAD~1

$ git show master~1

$ git show 286adbad7451278116e81d320d6355b70324b023

commit 286adbad7451278116e81d320d6355b70324b023

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

Date: Fri Apr 24 16:41:49 2020 +0300

code: разность чисел

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

**index 056d8a1..8435233 100644**

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

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

@@ -7,5 +7,6 @@ int main()

cout << "Enter A and B: ";

int a, b;

cin >> a >> b;

- cout << a + b;

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

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

}

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git diff

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

**index 8435233..f372c78 100644**

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

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

@@ -8,5 +8,6 @@ int main()

int a, b;

cin >> a >> b;

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

- << "A - B = " << a - b << '\n'; //так как нет символа “;”, то, считается, что строка была изменена

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

+ << "A \* B = " << a \* b << '\n'; //изменённые файлы, по сравнению с последним коммитом

}

Разница между самым первым коммитом и коммитом с разностью чисел:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git diff f26ad9a 286adba

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

**index b4392ec..8435233 100644**

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

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

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

int main()

{

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

- return 0;

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

+ int a, b;

+ cin >> a >> b;

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

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

}

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

**new file mode 100644**

**index 0000000..99bb702**

**--- /dev/null**

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

@@ -0,0 +1,40 @@

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

Объединение веток Боба и Алисы:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git log --stat --oneline --decorate

51dd207 (HEAD -> master) code: вывод минимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

После смены на машине Боба на origin/master:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git log --stat --oneline --decorate

b55142e (HEAD, origin/master, origin/HEAD) code: печать максимума //эта ветка теперь стала главной

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

После исправления:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git log --stat --oneline --decorate

1f1f0b5 (HEAD -> master) code: вывод минимума

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

1 file changed, 8 insertions(+)

b55142e (origin/master, origin/HEAD) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

На машине Алисы:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat --oneline --decorate

b55142e (HEAD -> master, origin/master) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

Индивидуальное задание:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02 (master)

$ mkdir task

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02 (master)

$ cd task

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git add task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git commit -m "цифры от 0 до 9"

[master (root-commit) 6371867] цифры от 0 до 9

1 file changed, 10 insertions(+)

create mode 100644 task/task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git add task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git commit -m "удалены цифры от 5 до 8"

[master 639494d] удалены цифры от 5 до 8

1 file changed, 4 deletions(-)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git show HEAD~1

commit 63718679f18e71a1e0f4fb4f69c37f8ea02985e7

Author: HotlineOn <hotlixon@gmail.com>

Date: Tue Apr 28 16:37:07 2020 +0300

цифры от 0 до 9

**diff --git a/task/task.txt b/task/task.txt**

**new file mode 100644**

**index 0000000..8b1acc1**

**--- /dev/null**

**+++ b/task/task.txt**

@@ -0,0 +1,10 @@

+0

+1

+2

+3

+4

+5

+6

+7

+8

+9

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git reset --hard HEAD~1

HEAD is now at 6371867 цифры от 0 до 9

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git branch task

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git checkout task

Switched to branch 'task'

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (task)

$ git add task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (task)

$ git commit -m "+a,b,c"

[task dc4cdbd] +a,b,c

1 file changed, 1 insertion(+)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (task)

$ git checkout master

Switched to branch 'master'

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git add task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git commit -m "+d,e,f"

[master ebdd880] +d,e,f

1 file changed, 1 insertion(+)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master)

$ git merge task

Auto-merging task/task.txt

CONFLICT (content): Merge conflict in task/task.txt

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git merge continue

error: Merging is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git commit -m "задание выполнено"

error: Committing is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

U task/task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git status

On branch master

You have unmerged paths.

(fix conflicts and run "git commit")

(use "git merge --abort" to abort the merge)

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: task.txt

Untracked files:

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

../alice/

../bob/

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git add task.txt

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git merge continue

fatal: You have not concluded your merge (MERGE\_HEAD exists).

Please, commit your changes before you merge.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/task (master|MERGING)

$ git commit -m "задание выполнено"

[master 167de79] задание выполнено

Машина Алисы – все действия:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02

$ ls

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02

$ mkdir alice

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02

$ mkdir bob

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02

$ cd alice

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice

$ mkdir project

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice

$ cd project

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project

$ cd ..

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice

$ cd project

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project

$ git init

Initialized empty Git repository in E:/Progs/CodeBlocks/lab02/alice/project/.git/

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ ls -A

.git/

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master

No commits yet

Untracked files:

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

main.cpp

project.cbp

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ ^C

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m code 'code: заготовка программы'

error: pathspec 'code: заготовка программы' did not match any file(s) known to git

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m 'code: заготовка программы'

[master (root-commit) f26ad9a] code: заготовка программы

1 file changed, 9 insertions(+)

create mode 100644 main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ add project.cbp

bash: add: command not found

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m 'build: добавлен файл проекта'

[master 52737d2] build: добавлен файл проекта

1 file changed, 40 insertions(+)

create mode 100644 project.cbp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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

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")

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "code: добавлен ввод чисел"

[master c9125bb] code: добавлен ввод чисел

1 file changed, 3 insertions(+), 2 deletions(-)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add -u

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "code: вывод суммы чисел"

[master 1d7e27d] code: вывод суммы чисел

1 file changed, 1 insertion(+)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -a -m "code: разность чисел"

[master 286adba] code: разность чисел

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .gitignore

Untracked files:

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

obj/

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .gitignore

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: .gitignore

Untracked files:

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

project.depend

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git restore .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .gitignore

Untracked files:

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

obj/

project.depend

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "git: gitignore"

[master f5d60a7] git: gitignore

1 file changed, 1 insertion(+)

create mode 100644 .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat

commit f5d60a76582a7c5d079f336104bffcfad4a2870a (HEAD -> master)

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

Date: Fri Apr 24 16:50:26 2020 +0300

git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

commit 286adbad7451278116e81d320d6355b70324b023

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

Date: Fri Apr 24 16:41:49 2020 +0300

code: разность чисел

main.cpp | 3 ++-

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

commit 1d7e27d7f747a36e244a623bd66545bd19724fde

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

Date: Fri Apr 24 16:39:52 2020 +0300

code: вывод суммы чисел

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --oneline --decorate

f5d60a7 (HEAD -> master) git: gitignore

286adba code: разность чисел

1d7e27d code: вывод суммы чисел

c9125bb code: добавлен ввод чисел

52737d2 build: добавлен файл проекта

f26ad9a code: заготовка программы

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

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

\* f5d60a7 (HEAD -> master) git: gitignore

\* 286adba code: разность чисел

\* 1d7e27d code: вывод суммы чисел

\* c9125bb code: добавлен ввод чисел

\* 52737d2 build: добавлен файл проекта

\* f26ad9a code: заготовка программы

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --grep "build:"

commit 52737d2aa15dfdbaa08e240c0cc0ab8398c38479

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

Date: Fri Apr 24 16:30:19 2020 +0300

build: добавлен файл проекта

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log -- project.cbp

commit 52737d2aa15dfdbaa08e240c0cc0ab8398c38479

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

Date: Fri Apr 24 16:30:19 2020 +0300

build: добавлен файл проекта

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git show HEAD~1

commit 286adbad7451278116e81d320d6355b70324b023

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

Date: Fri Apr 24 16:41:49 2020 +0300

code: разность чисел

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

**index 056d8a1..8435233 100644**

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

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

@@ -7,5 +7,6 @@ int main()

cout << "Enter A and B: ";

int a, b;

cin >> a >> b;

- cout << a + b;

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

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

}

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git show master~1

commit 286adbad7451278116e81d320d6355b70324b023

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

Date: Fri Apr 24 16:41:49 2020 +0300

code: разность чисел

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

**index 056d8a1..8435233 100644**

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

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

@@ -7,5 +7,6 @@ int main()

cout << "Enter A and B: ";

int a, b;

cin >> a >> b;

- cout << a + b;

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

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

}

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git diff

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

**index 8435233..f372c78 100644**

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

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

@@ -8,5 +8,6 @@ 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';

}

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git diff f26ad9a 286adba

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

**index b4392ec..8435233 100644**

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

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

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

int main()

{

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

- return 0;

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

+ int a, b;

+ cin >> a >> b;

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

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

}

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

**new file mode 100644**

**index 0000000..99bb702**

**--- /dev/null**

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

@@ -0,0 +1,40 @@

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

q

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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

Untracked files:

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

obj/

project.depend

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "code: произведение чисел"

[master 3e85072] code: произведение чисел

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git reset --hard HEAD~1

HEAD is now at f5d60a7 git: gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git checkout HEAD -- main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --oneline --decorate

f5d60a7 (HEAD -> master) git: gitignore

286adba code: разность чисел

1d7e27d code: вывод суммы чисел

c9125bb code: добавлен ввод чисел

52737d2 build: добавлен файл проекта

f26ad9a code: заготовка программы

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git push -u origin master

Logon failed, use ctrl+c to cancel basic credential prompt.

mMEnumerating 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), 2.29 KiB | 390.00 KiB/s, done.

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

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

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

\* [new branch] master -> master

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git remote -v

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

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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), 392 bytes | 39.00 KiB/s, done.

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

f5d60a7..795536a master -> origin/master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

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

\* 795536a (origin/master) code: произведение чисел

\* f5d60a7 (HEAD -> master) git: gitignore

\* 286adba code: разность чисел

\* 1d7e27d code: вывод суммы чисел

\* c9125bb code: добавлен ввод чисел

\* 52737d2 build: добавлен файл проекта

\* f26ad9a code: заготовка программы

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull --ff-only

fatal: unable to access 'https://github.com/HotlineOn/cs-lab02.git/': Failed to connect to github.com port 443: Timed out

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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 f5d60a7..795536a

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git status

On branch master

Your branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.

(use "git pull" to update your local branch)

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: .gitignore

modified: main.cpp

Untracked files:

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

project.depend

project.layout

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "прост"

[master 58b2503] прост

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull --ff-only

fatal: Not possible to fast-forward, aborting.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull --ff-only

fatal: Not possible to fast-forward, aborting.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull

Auto-merging main.cpp

hint: Waiting for your editor to close the file... 0 [sig] bash 915! sigpacket::process: Suppressing signal 18 to win32 process (pid 11408)

Merge made by the 'recursive' strategy.

main.cpp | 3 ++-

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/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), 756 bytes | 756.00 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/HotlineOn/cs-lab02.git

795536a..1fb7631 master -> master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "code: частное чисел"

[master 6640daa] code: частное чисел

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull

fatal: unable to access 'https://github.com/HotlineOn/cs-lab02.git/': Failed to connect to github.com port 443: Timed out

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull

Already up to date.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/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)

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: .gitignore

Untracked files:

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

project.depend

project.layout

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat --oneline --decorate

6640daa (HEAD -> master) code: частное чисел

main.cpp | 3 ++-

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

1fb7631 (origin/master) Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

main.cpp | 5 +++--

1 file changed, 3 insertions(+), 2 deletions(-)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git fetch

fatal: unable to access 'https://github.com/HotlineOn/cs-lab02.git/': Failed to connect to github.com port 443: Timed out

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git fetch

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git push

fatal: TaskCanceledException encountered.

▒⬥▒▒▒▒ ▒▒▒▒▒.

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), 404 bytes | 404.00 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/HotlineOn/cs-lab02.git

1fb7631..6640daa master -> master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "code: печать максимума"

[master b55142e] code: печать максимума

1 file changed, 8 insertions(+)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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), 444 bytes | 444.00 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/HotlineOn/cs-lab02.git

6640daa..b55142e master -> master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat --oneline --decorte

fatal: unrecognized argument: --decorte

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat --oneline --decorate

b55142e (HEAD -> master, origin/master) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git branch double

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git checkout double

Switched to branch 'double'

M .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (double)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (double)

$ git commit -m "code: изменение типа чисел на вещественный"

[double a534402] code: изменение типа чисел на вещественный

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (double)

$ git checkout master

Switched to branch 'master'

M .gitignore

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull

Already up to date.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git --stat --oneline --decorate

unknown option: --stat

usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]

[--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]

[-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]

[--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]

<command> [<args>]

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git log --stat --oneline --decorate

b55142e (HEAD -> master, origin/master) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git fetch

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git pull --ff-only

Already up to date.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git merge double

Updating b55142e..a534402

Fast-forward

main.cpp | 2 +-

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ fit status

bash: fit: command not found

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/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)

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: .gitignore

Untracked files:

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

project.depend

project.layout

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/alice/project (master)

$ git commit -m "git: объединение веток master и double"

On branch master

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

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

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: .gitignore

Untracked files:

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

project.depend

project.layout

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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), 418 bytes | 418.00 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/HotlineOn/cs-lab02.git

b55142e..a534402 master -> master

Машина Боба – все действия:

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob

$ git clone https://github.com/HotlineOn/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), 2.27 KiB | 1024 bytes/s, done.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob

$ cd project

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git config user.name 'bob (KononenkoAV)'

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git commit -m "code: произведение чисел"

[master 795536a] code: произведение чисел

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git push

Logon failed, use ctrl+c to cancel basic credential prompt.

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), 412 bytes | 412.00 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/HotlineOn/cs-lab02.git

f5d60a7..795536a master -> master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git fetch

remote: Enumerating objects: 10, done.

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

remote: Compressing objects: 100% (4/4), done.

remote: Total 6 (delta 2), reused 6 (delta 2), pack-reused 0

Unpacking objects: 100% (6/6), 736 bytes | 12.00 KiB/s, done.

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

795536a..1fb7631 master -> origin/master

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git pull --ff-only

Updating 795536a..1fb7631

Fast-forward

main.cpp | 2 +-

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git pull --ff-only

Already up to date.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git pull --ff-only

Already up to date.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git pull --ff-only

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), 384 bytes | 12.00 KiB/s, done.

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

1fb7631..6640daa master -> origin/master

Updating 1fb7631..6640daa

Fast-forward

main.cpp | 3 ++-

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git commit -m "code: вывод минимума"

[master 51dd207] code: вывод минимума

1 file changed, 8 insertions(+)

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git push

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

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

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git pull

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), 424 bytes | 14.00 KiB/s, done.

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

6640daa..b55142e master -> origin/master

Auto-merging main.cpp

CONFLICT (content): Merge conflict in main.cpp

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git log --stat --oneline --decorate

51dd207 (HEAD -> master) code: вывод минимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

1d7e27d code: вывод суммы чисел

main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/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.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ 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)

You have unmerged paths.

(fix conflicts and run "git commit")

(use "git merge --abort" to abort the merge)

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: main.cpp

Untracked files:

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

obj/

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git pull

error: Pulling is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git add/rm main.cpp

git: 'add/rm' is not a git command. See 'git --help'.

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git add .gitignore

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|MERGING)

$ git commit -m "git: объединение веток Алисы и Боба"

[master c579403] git: объединение веток Алисы и Боба

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git log --stat --oneline --decorate

c579403 (HEAD -> master) git: объединение веток Алисы и Боба

51dd207 code: вывод минимума

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

1 file changed, 8 insertions(+)

b55142e (origin/master, origin/HEAD) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

58b2503 прост

main.cpp | 2 +-

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

795536a code: произведение чисел

main.cpp | 3 ++-

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

f5d60a7 git: gitignore

.gitignore | 1 +

1 file changed, 1 insertion(+)

286adba code: разность чисел

main.cpp | 3 ++-

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

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git rebase origin/master

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

Applying: code: 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 code: вывод минимума

Resolve all conflicts manually, mark them as resolved with

"git add/rm <conflicted\_files>", 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".

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git am --show--current--patch

error: unknown option `show--current--patch'

usage: git am [<options>] [(<mbox> | <Maildir>)...]

or: git am [<options>] (--continue | --skip | --abort)

-i, --interactive run interactively

-3, --3way allow fall back on 3way merging if needed

-q, --quiet be quiet

-s, --signoff add a Signed-off-by line to the commit message

-u, --utf8 recode into utf8 (default)

-k, --keep pass -k flag to git-mailinfo

--keep-non-patch pass -b flag to git-mailinfo

-m, --message-id pass -m flag to git-mailinfo

--keep-cr pass --keep-cr flag to git-mailsplit for mbox format

--no-keep-cr do not pass --keep-cr flag to git-mailsplit independent of am.keepcr

-c, --scissors strip everything before a scissors line

--whitespace <action>

pass it through git-apply

--ignore-space-change

pass it through git-apply

--ignore-whitespace pass it through git-apply

--directory <root> pass it through git-apply

--exclude <path> pass it through git-apply

--include <path> pass it through git-apply

-C <n> pass it through git-apply

-p <num> pass it through git-apply

--patch-format <format>

format the patch(es) are in

--reject pass it through git-apply

--resolvemsg ... override error message when patch failure occurs

--continue continue applying patches after resolving a conflict

-r, --resolved synonyms for --continue

--skip skip the current patch

--abort restore the original branch and abort the patching operation.

--quit abort the patching operation but keep HEAD where it is.

--show-current-patch show the patch being applied.

--committer-date-is-author-date

lie about committer date

--ignore-date use current timestamp for author date

--rerere-autoupdate update the index with reused conflict resolution if possible

-S, --gpg-sign[=<key-id>]

GPG-sign commits

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git am --show-current-patch

commit 51dd207ad0ea9425b8111597f31782b428070bb3

Author: bob (KononenkoAV) <bob@example.com>

Date: Fri Apr 24 18:01:44 2020 +0300

code: вывод минимума

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

**index cbb9d8c..82808a4 100644**

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

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

@@ -11,4 +11,12 @@ int main()

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

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

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

+ if (a < b)

+ {

+ cout << "min = " << a;

+ }

+ else

+ {

+ cout << "min = " << b;

+ }

}

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git log --stat --oneline --decorate

b55142e (HEAD, origin/master, origin/HEAD) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

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main.cpp | 1 +

1 file changed, 1 insertion(+)

c9125bb code: добавлен ввод чисел

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git add main.cpp

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master|REBASE 1/1)

$ git rebase --continue

Applying: code: вывод минимума

Саша Кононенко@Hotline-PC MINGW64 /e/Progs/CodeBlocks/lab02/bob/project (master)

$ git log --stat --oneline --decorate

1f1f0b5 (HEAD -> master) code: вывод минимума

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

1 file changed, 8 insertions(+)

b55142e (origin/master, origin/HEAD) code: печать максимума

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

1 file changed, 8 insertions(+)

6640daa code: частное чисел

main.cpp | 3 ++-

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

1fb7631 Merge branch 'master' of https://github.com/HotlineOn/cs-lab02

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