Отчет №3
по дисциплине "Основы программной инженерии"
Группа: ПИЖ-б-о-20-1, Примаков В. Д

ВЫПОЛНЕНИЕ

1) Добавление 1.txt

2) Перезапись коммита с добавлением 2.txt и 3.txt

3) Создание новой ветки, создание файла в новой ветке

4) Создание новой ветки

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5) Изменение 1.txt и коммит

```
C:\Users\vadym\Desktop\git\3_laba>git add 1.txt

C:\Users\vadym\Desktop\git\3_laba>git commit -m "Added new row in 1.txt"
[new_branch a8491f9] Added new row in 1.txt
 1 file changed, 2 insertions(+)
```

6) Объединение главной ветки с my_first_branch

```
C:\Users\vadym\Desktop\git\3_laba>git checkout FSE
Switched to branch 'FSE'
Your branch is up to date with 'origin/FSE'.

C:\Users\vadym\Desktop\git\3_laba>git merge my_first_branch
Updating 61f458b..2cdf101
Fast-forward
 in_branch.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 in_branch.txt

C:\Users\vadym\Desktop\git\3_laba>git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/surai5a/3_laba.git
   61f458b..2cdf101  FSE -> FSE
```

7) Объединение главной ветки с new_branch

```
C:\Users\vadym\Desktop\git\3_laba>git merge new_branch
Merge made by the 'recursive' strategy.
 1.txt | 2 ++
 1 file changed, 2 insertions(+)

C:\Users\vadym\Desktop\git\3_laba>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 319 bytes | 159.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/surai5a/3_laba.git
   2cdf101..ca4dfbe  FSE -> FSE
```

8) Удаление веток my_first_branch и new_branch

```
C:\Users\vadym\Desktop\git\3_laba>git branch -d my_first_branch
Deleted branch my_first_branch (was 2cdf101).

C:\Users\vadym\Desktop\git\3_laba>git branch -d new_branch
Deleted branch new_branch (was a8491f9).

C:\Users\vadym\Desktop\git\3_laba>git push
Everything up-to-date
```

9) Добавление исправлений в 1.txt и 3.txt в ветке branch1

```
C:\Users\vadym\Desktop\git\3_laba>git checkout branch1
Switched to branch 'branch1'

C:\Users\vadym\Desktop\git\3_laba>git add 1.txt

C:\Users\vadym\Desktop\git\3_laba>git add 3.txt

C:\Users\vadym\Desktop\git\3_laba>git commit -m "Added fixes in 1.txt and 3.txt"
[branch1 43af5d2] Added fixes in 1.txt and 3.txt
 2 files changed, 2 insertions(+), 2 deletions(-)

C:\Users\vadym\Desktop\git\3_laba>git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 411 bytes | 205.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/surai5a/3_laba.git
   ca4dfbe..43af5d2  branch1 -> branch1
```

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1) Добавление исправлений в 1.txt и 3.txt в ветке branch2

```
C:\Users\vadym\Desktop\git\3_laba>git checkout branch2
Switched to branch 'branch2'

C:\Users\vadym\Desktop\git\3_laba>git add 1.txt

C:\Users\vadym\Desktop\git\3_laba>git add 3.txt

C:\Users\vadym\Desktop\git\3_laba>git commit -m "Added fixxes in 1.txt and 3.txt"
[branch2 4cc7d37] Added fixxes in 1.txt and 3.txt
 2 files changed, 2 insertions(+), 2 deletions(-)

C:\Users\vadym\Desktop\git\3_laba>git push
fatal: The current branch branch2 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin branch2


C:\Users\vadym\Desktop\git\3_laba>git push
Everything up-to-date
```
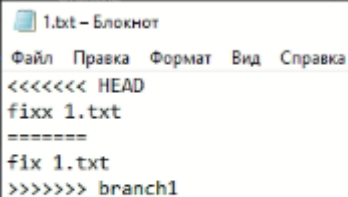
2) Слияние branch1 и branch2 и устранение конфликтов

```
C:\Users\vadym\Desktop\git\3_laba>git merge branch1
Auto-merging 3.txt
CONFLICT (content): Merge conflict in 3.txt
Auto-merging 1.txt
CONFLICT (content): Merge conflict in 1.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
1.txt - Блокнот
Файл Правка Формат Вид Справка
<<<<<<< HEAD
fixx 1.txt
=======
fix 1.txt
>>>>>>> branch1
```

```
C:\Users\vadym\Desktop\git\3_laba>git status
On branch branch2
Your branch is up to date with 'origin/branch2'.

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:   1.txt
        both modified:   3.txt

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

C:\Users\vadym\Desktop\git\3_laba>git add .

C:\Users\vadym\Desktop\git\3_laba>git commit
hint: Waiting for your editor to close the file...
[main 2021-10-03T11:22:36.100Z] update#setState idle
[branch2 ddb3e38] Merge branch 'branch1' into branch2

C:\Users\vadym\Desktop\git\3_laba>
```