ИГИ

Гр. 253501

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**2. Создайте структуру папок (использовать командную строку) и поместите в репозиторий Git на своем локальном компьютере.**

```
C:\>md 253501_LYAMTSEV_14

C:\>cd 253501_LYAMTSEV_14

C:\253501_LYAMTSEV_14>md IGI STRWEB

C:\253501_LYAMTSEV_14>cd STRWEB

C:\253501_LYAMTSEV_14\STRWEB>md LR1 LR2 LR3 LR4

C:\253501_LYAMTSEV_14\STRWEB>cd ..\

C:\253501_LYAMTSEV_14>cd IGI

C:\253501_LYAMTSEV_14\IGI>md LR1 LR2 LR3 LR4 LR5

C:\253501_LYAMTSEV_14\IGI>cd LR1

C:\253501_LYAMTSEV_14\IGI\LR1>md bin foo

C:\253501_LYAMTSEV_14\IGI\LR1>cd bin

C:\253501_LYAMTSEV_14\IGI\LR1\bin>md 700

C:\253501_LYAMTSEV_14\IGI\LR1\bin>md cut

C:\253501_LYAMTSEV_14\IGI\LR1\bin>cd cut

C:\253501_LYAMTSEV_14\IGI\LR1\bin\cut>md 700
```

```
C:\253501_LYAMTSEV_14\IGI\LR1\bin\cut>cd ..\..\
```

```
C:\253501_LYAMTSEV_14\IGI\LR1>cd foo

C:\253501_LYAMTSEV_14\IGI\LR1\foo>md 441 bar example baz

C:\253501_LYAMTSEV_14\IGI\LR1\foo>echo 000 >> test.txt

C:\253501_LYAMTSEV_14\IGI\LR1\foo>cd bar

C:\253501_LYAMTSEV_14\IGI\LR1\foo\bar>md 664

C:\253501_LYAMTSEV_14\IGI\LR1\foo\bar>cd ..\

C:\253501_LYAMTSEV_14\IGI\LR1\foo>cd example

C:\253501_LYAMTSEV_14\IGI\LR1\foo\example>md 200

C:\253501_LYAMTSEV_14\IGI\LR1\foo\example>cd ..\

C:\253501_LYAMTSEV_14\IGI\LR1\foo>cd baz

C:\253501_LYAMTSEV_14\IGI\LR1\foo\baz>md 244

C:\253501_LYAMTSEV_14\IGI\LR1\foo\baz>echo 411 >> readme.txt

C:\253501_LYAMTSEV_14\IGI\LR1\foo\baz>cd ..\..\..\..\
```

```
C:\253501_LYAMTSEV_14>tree /f
Структура папок тома OS
Серийный номер тома: FE24-65C4
C:.
├───IGI
│   ├───LR1
│   │   ├───bin
│   │   │   ├───700
│   │   │   └───cut
│   │   │       └───700
│   │   └───foo
│   │           test.txt
│   │
│   │       ├───441
│   │       ├───bar
│   │       │   └───664
│   │       ├───baz
│   │       │       readme.txt
│   │       │
│   │       │   └───244
│   │       └───example
│   │               └───200
│   ├───LR2
│   ├───LR3
│   ├───LR4
│   └───LR5
└───STRWEB
    ├───LR1
    ├───LR2
    ├───LR3
    └───LR4
```

```
C:\253501_LYAMTSEV_14>git init
Initialized empty Git repository in C:/253501_LYAMTSEV_14/.git/
```

**3. Создайте репозиторий внутри папки LR1 с помощью клонирования проекта с сайта github.com (https://github.com/smartiqaorg/geometric_lib).**

```
C:\253501_LYAMTSEV_14>cd IGI\LR1

C:\253501_LYAMTSEV_14\IGI\LR1>git clone https://github.com/smartiqaorg/geometric_lib.git
Cloning into 'geometric_lib'...
remote: Enumerating objects: 35, done.
remote: Total 35 (delta 0), reused 0 (delta 0), pack-reused 35
Receiving objects: 100% (35/35), 4.60 KiB | 4.60 MiB/s, done.
Resolving deltas: 100% (6/6), done.
```

**4. Выполните следующие действия, каждый раз проверяя состояние файлов в локальном репозитории до и после выполнения операции.**

a. Сделайте индексацию нескольких файлов в вашем Git-репозитории (git add …).

```
C:\253501_LYAMTSEV_14\IGI\LR1>cd ..\..

C:\253501_LYAMTSEV_14>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/

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

C:\253501_LYAMTSEV_14>git add IGI\LR1\foo\test.txt IGI\LR1\foo\baz\readme.txt

C:\253501_LYAMTSEV_14>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   IGI/LR1/foo/baz/readme.txt
        new file:   IGI/LR1/foo/test.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/
```

b. Внесите изменения в файлы.

```
C:\253501_LYAMTSEV_14>echo 009 >> IGI\LR1\foo\baz\readme.txt

C:\253501_LYAMTSEV_14>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   IGI/LR1/foo/baz/readme.txt
        new file:   IGI/LR1/foo/test.txt

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:   IGI/LR1/foo/baz/readme.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/
```

c. Выполните коммиты к проиндексированным файлам.

```
C:\253501_LYAMTSEV_14>git commit -m 4c
[master (root-commit) 562de4f] 4c
 2 files changed, 2 insertions(+)
 create mode 100644 IGI/LR1/foo/baz/readme.txt
 create mode 100644 IGI/LR1/foo/test.txt

C:\253501_LYAMTSEV_14>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:   IGI/LR1/foo/baz/readme.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

d. Добавьте и удалите файлы (один и группу файлов с определенным расширением).

```
C:\253501_LYAMTSEV_14>del IGI\LR1\foo\baz\readme.txt
```

```
C:\253501_LYAMTSEV_14>del IGI\LR1\geometric_lib\circle.py IGI\LR1\geometric_lib\square.py
```

```
C:\253501_LYAMTSEV_14>echo 083 >> IGI\LR1\foo\din.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    IGI/LR1/foo/baz/readme.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/foo/din.txt
        IGI/LR1/geometric_lib/

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

e. Переименуйте файлы.

```
C:\253501_LYAMTSEV_14>ren IGI\LR1\foo\test.txt test1.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    IGI/LR1/foo/baz/readme.txt
        deleted:    IGI/LR1/foo/test.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/foo/din.txt
        IGI/LR1/foo/test1.txt
        IGI/LR1/geometric_lib/

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

ef.

```
C:\253501_LYAMTSEV_14>git commit -m 4ef
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    IGI/LR1/foo/baz/readme.txt
        deleted:    IGI/LR1/foo/test.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/foo/din.txt
        IGI/LR1/foo/test1.txt
        IGI/LR1/geometric_lib/

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

```
C:\253501_LYAMTSEV_14>git commit -a -m 4ef.2
[master 2b63eca] 4ef.2
 2 files changed, 2 deletions(-)
 delete mode 100644 IGI/LR1/foo/baz/readme.txt
 delete mode 100644 IGI/LR1/foo/test.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/
```

```
C:\253501_LYAMTSEV_14>git add IGI\LR1\foo\din.txt IGI\LR1\foo\test1.txt
```

```
C:\253501_LYAMTSEV_14>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR1/foo/din.txt
        new file:   IGI/LR1/foo/test1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/
```

```
C:\253501_LYAMTSEV_14>git commit -m 4ef.3
[master f12a2cb] 4ef.3
 2 files changed, 2 insertions(+)
 create mode 100644 IGI/LR1/foo/din.txt
 create mode 100644 IGI/LR1/foo/test1.txt
```

f. Создайте для IGI и STRWEB, а также для каждой ЛР, вложенной в них, отдельные ветки, переместите папки и файлы на соответствующие ветки.

```
C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

```
C:\253501_LYAMTSEV_14>git checkout -b STRWEB_br
Switched to a new branch 'STRWEB_br'

C:\253501_LYAMTSEV_14>echo strweb >> STRWEB\strweb.txt

C:\253501_LYAMTSEV_14>git add STRWEB\strweb.txt

C:\253501_LYAMTSEV_14>git status
On branch STRWEB_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   STRWEB/strweb.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m strweb1
[STRWEB_br 45ddac0] strweb1
 1 file changed, 1 insertion(+)
 create mode 100644 STRWEB/strweb.txt
```

```
C:\253501_LYAMTSEV_14>git checkout -b LR1_br
Switched to a new branch 'LR1_br'

C:\253501_LYAMTSEV_14>echo lr1 >> STRWEB\LR1\lr1.txt

C:\253501_LYAMTSEV_14>git add STRWEB\LR1\lr1.txt

C:\253501_LYAMTSEV_14>git status
On branch LR1_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   STRWEB/LR1/lr1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr1
[LR1_br 2346433] lr1
 1 file changed, 1 insertion(+)
 create mode 100644 STRWEB/LR1/lr1.txt
```

```
C:\253501_LYAMTSEV_14>git checkout STRWEB_br
Switched to branch 'STRWEB_br'

C:\253501_LYAMTSEV_14>git checkout -b LR2_br
Switched to a new branch 'LR2_br'

C:\253501_LYAMTSEV_14>echo lr2 >> STRWEB\LR2\lr2.txt

C:\253501_LYAMTSEV_14>git add STRWEB\LR2\lr2.txt

C:\253501_LYAMTSEV_14>git status
On branch LR2_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   STRWEB/LR2/lr2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr2
[LR2_br d5c7215] lr2
 1 file changed, 1 insertion(+)
 create mode 100644 STRWEB/LR2/lr2.txt
```

```
C:\253501_LYAMTSEV_14>git checkout STRWEB_br
Switched to branch 'STRWEB_br'

C:\253501_LYAMTSEV_14>git checkout -b LR3_br
Switched to a new branch 'LR3_br'

C:\253501_LYAMTSEV_14>echo lr3 >> STRWEB\LR3\lr3.txt

C:\253501_LYAMTSEV_14>git add STRWEB\LR3\lr3.txt

C:\253501_LYAMTSEV_14>git status
On branch LR3_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   STRWEB/LR3/lr3.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr3
[LR3_br d5c891a] lr3
 1 file changed, 1 insertion(+)
 create mode 100644 STRWEB/LR3/lr3.txt
```

```
C:\253501_LYAMTSEV_14>git checkout STRWEB_br
Switched to branch 'STRWEB_br'

C:\253501_LYAMTSEV_14>git checkout -b LR4_br
Switched to a new branch 'LR4_br'

C:\253501_LYAMTSEV_14>echo lr4 >> STRWEB\LR4\lr4.txt

C:\253501_LYAMTSEV_14>git add STRWEB\LR4\lr4.txt

C:\253501_LYAMTSEV_14>git status
On branch LR4_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   STRWEB/LR4/lr4.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr4
[LR4_br f8e7e12] lr4
 1 file changed, 1 insertion(+)
 create mode 100644 STRWEB/LR4/lr4.txt
```

```
C:\253501_LYAMTSEV_14>git checkout master
Switched to branch 'master'
```

```
C:\253501_LYAMTSEV_14>git checkout -b IGI_br
Switched to a new branch 'IGI_br'

C:\253501_LYAMTSEV_14>echo igi >> IGI/igi.txt

C:\253501_LYAMTSEV_14>git add IGI/igi.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/igi.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m igi1
[IGI_br cfc4caa] igi1
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/igi.txt
```

```
C:\253501_LYAMTSEV_14>git checkout -b IGI_LR1_br
Switched to a new branch 'IGI_LR1_br'

C:\253501_LYAMTSEV_14>echo lr1 >> IGI/LR1/lr1.txt

C:\253501_LYAMTSEV_14>git add IGI/LR1/lr1.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_LR1_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR1/lr1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr1
[IGI_LR1_br 28b1129] lr1
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR1/lr1.txt
```

```
C:\253501_LYAMTSEV_14>git checkout IGI_br
Switched to branch 'IGI_br'

C:\253501_LYAMTSEV_14>git checkout -b IGI_LR2_br
Switched to a new branch 'IGI_LR2_br'

C:\253501_LYAMTSEV_14>echo lr2 >> IGI/LR2/lr2.txt

C:\253501_LYAMTSEV_14>git add IGI/LR2/lr2.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_LR2_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR2/lr2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr2
[IGI_LR2_br 01947a6] lr2
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR2/lr2.txt
```

```
C:\253501_LYAMTSEV_14>git checkout IGI_br
Switched to branch 'IGI_br'

C:\253501_LYAMTSEV_14>git checkout -b IGI_LR3_br
Switched to a new branch 'IGI_LR3_br'

C:\253501_LYAMTSEV_14>echo lr3 >> IGI/LR3/lr3.txt

C:\253501_LYAMTSEV_14>git add IGI/LR3/lr3.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_LR3_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR3/lr3.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr3
[IGI_LR3_br a417a56] lr3
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR3/lr3.txt
```

```
C:\253501_LYAMTSEV_14>git checkout IGI_br
Switched to branch 'IGI_br'

C:\253501_LYAMTSEV_14>git checkout -b IGI_LR4_br
Switched to a new branch 'IGI_LR4_br'

C:\253501_LYAMTSEV_14>echo lr4 >> IGI/LR4/lr4.txt

C:\253501_LYAMTSEV_14>git add IGI/LR4/lr4.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_LR4_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR4/lr4.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr4
[IGI_LR4_br bfde280] lr4
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR4/lr4.txt
```

```
C:\253501_LYAMTSEV_14>git checkout IGI_br
Switched to branch 'IGI_br'

C:\253501_LYAMTSEV_14>git checkout -b IGI_LR5_br
Switched to a new branch 'IGI_LR5_br'

C:\253501_LYAMTSEV_14>echo lr5 >> IGI/LR5/lr5.txt

C:\253501_LYAMTSEV_14>git add IGI/LR5/lr5.txt

C:\253501_LYAMTSEV_14>git status
On branch IGI_LR5_br
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR5/lr5.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m lr5
[IGI_LR5_br 74a1d1e] lr5
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR5/lr5.txt
```

```
C:\253501_LYAMTSEV_14>git checkout master
Switched to branch 'master'
```

```
C:\253501_LYAMTSEV_14>git branch -m LR1_br STRWEB_LR1_br

C:\253501_LYAMTSEV_14>git branch -m LR2_br STRWEB_LR2_br

C:\253501_LYAMTSEV_14>git branch -m LR3_br STRWEB_LR3_br

C:\253501_LYAMTSEV_14>git branch -m LR4_br STRWEB_LR4_br

C:\253501_LYAMTSEV_14>git branch
  IGI_LR1_br
  IGI_LR2_br
  IGI_LR3_br
  IGI_LR4_br
  IGI_LR5_br
  IGI_br
  STRWEB_LR1_br
  STRWEB_LR2_br
  STRWEB_LR3_br
  STRWEB_LR4_br
  STRWEB_br
* master
```

g. Выведите историю коммитов: полностью и с ограничением вывода – отобрать только последние, до и после указанной даты, по автору файлов, коммитов (флаги n, since, after, until, before, author, committer, grep) https://code.mu/ru/tool/git/basis/limit-output-commit-history-flags/ .

```
C:\253501_LYAMTSEV_14>git log --all
commit 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 13:00:29 2024 +0300

    lr5

commit bfde280165b2a647faffdddb3f2084ee61e2675 (IGI_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:59:31 2024 +0300

    lr4

commit a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:58:07 2024 +0300

    lr3

commit 01947a60fa617d99956311d4b738aa082f51d589 (IGI_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:57:04 2024 +0300

    lr2

commit 28b11291c2da3a1ec12bebe66967b241c943dac3 (IGI_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:56:05 2024 +0300

    lr1

commit cfc4caaa80392c92b9f4b6e08444c95ec2b4f2be (IGI_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:54:05 2024 +0300

    igi1

commit f8e7e128618773dd6f13a5956e787b641cffee5d (STRWEB_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:50:17 2024 +0300

    lr4
```

```
commit d5c891ace912551098231258dab8d87447ea3882 (STRWEB_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:48:51 2024 +0300

    lr3

commit d5c72154008ca8a9b8c9f33512ba62a504b0f678 (STRWEB_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:48:04 2024 +0300

    lr2

commit 23464334b408e88463b7ae27f96ba3fcc8b178f6 (STRWEB_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:46:47 2024 +0300

    lr1

commit 45ddac05dcbd678f16687f10b7a45f98927b2d01 (STRWEB_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:43:53 2024 +0300

    strweb1

commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:33:58 2024 +0300

    4ef.3

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:28:15 2024 +0300

    4ef.2

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:12:16 2024 +0300

    4c
```

```
C:\253501_LYAMTSEV_14>git log --all -3
commit 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 13:00:29 2024 +0300

    lr5

commit bfde280165b2a647fafffdddb3f2084ee61e2675 (IGI_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:59:31 2024 +0300

    lr4

commit a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:58:07 2024 +0300

    lr3
```

```
C:\253501_LYAMTSEV_14>git log --all --until="2024-02-17 12:30"
commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:28:15 2024 +0300

    4ef.2

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:12:16 2024 +0300

    4c
```

```
C:\253501_LYAMTSEV_14>git log --all --since="2024-02-17 12:55"
commit 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 13:00:29 2024 +0300

    lr5

commit bfde280165b2a647fafffdddb3f2084ee61e2675 (IGI_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:59:31 2024 +0300

    lr4

commit a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:58:07 2024 +0300

    lr3

commit 01947a60fa617d99956311d4b738aa082f51d589 (IGI_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:57:04 2024 +0300

    lr2

commit 28b11291c2da3a1ec12bebe66967b241c943dac3 (IGI_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:56:05 2024 +0300

    lr1
```

```
C:\253501_LYAMTSEV_14>git log --all --author="PolShihi"
commit 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 13:00:29 2024 +0300

    lr5

commit bfde280165b2a647fafffdddb3f2084ee61e2675 (IGI_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:59:31 2024 +0300

    lr4

commit a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:58:07 2024 +0300

    lr3

commit 01947a60fa617d99956311d4b738aa082f51d589 (IGI_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:57:04 2024 +0300

    lr2

commit 28b11291c2da3a1ec12bebe66967b241c943dac3 (IGI_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:56:05 2024 +0300

    lr1

commit cfc4caaa80392c92b9f4b6e08444c95ec2b4f2be (IGI_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:54:05 2024 +0300

    igi1
```

```
commit f8e7e128618773dd6f13a5956e787b641cffee5d (STRWEB_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:50:17 2024 +0300

    lr4

commit d5c891ace912551098231258dab8d87447ea3882 (STRWEB_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:48:51 2024 +0300

    lr3

commit d5c72154008ca8a9b8c9f33512ba62a504b0f678 (STRWEB_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:48:04 2024 +0300

    lr2

commit 23464334b408e88463b7ae27f96ba3fcc8b178f6 (STRWEB_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:46:47 2024 +0300

    lr1

commit 45ddac05dcbd678f16687f10b7a45f98927b2d01 (STRWEB_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:43:53 2024 +0300

    strweb1

commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:33:58 2024 +0300

    4ef.3

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:28:15 2024 +0300

    4ef.2

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:12:16 2024 +0300
```

h. Исследуйте флаги для git log: p , stat ,shortstat, name-only, name-status, relative-date, pretty, graph.

```
commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:28:15 2024 +0300

    4ef.2

diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
deleted file mode 100644
index 5603ba3..0000000
--- a/IGI/LR1/foo/baz/readme.txt
+++ /dev/null
@@ -1 +0,0 @@
-411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
deleted file mode 100644
index ee47c35..0000000
--- a/IGI/LR1/foo/test.txt
+++ /dev/null
@@ -1 +0,0 @@
-000

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:12:16 2024 +0300

    4c

diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
new file mode 100644
index 0000000..5603ba3
--- /dev/null
+++ b/IGI/LR1/foo/baz/readme.txt
@@ -0,0 +1 @@
+411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
new file mode 100644
index 0000000..ee47c35
--- /dev/null
+++ b/IGI/LR1/foo/test.txt
@@ -0,0 +1 @@
+000
```

```
C:\253501_LYAMTSEV_14>git log --stat
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:33:58 2024 +0300

    4ef.3

 IGI/LR1/foo/din.txt   | 1 +
 IGI/LR1/foo/test1.txt | 1 +
 2 files changed, 2 insertions(+)

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:28:15 2024 +0300

    4ef.2

 IGI/LR1/foo/baz/readme.txt | 1 -
 IGI/LR1/foo/test.txt       | 1 -
 2 files changed, 2 deletions(-)

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:12:16 2024 +0300

    4c

 IGI/LR1/foo/baz/readme.txt | 1 +
 IGI/LR1/foo/test.txt       | 1 +
 2 files changed, 2 insertions(+)
```

```
C:\253501_LYAMTSEV_14>git log --shortstat
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:33:58 2024 +0300

    4ef.3

 2 files changed, 2 insertions(+)

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:28:15 2024 +0300

    4ef.2

 2 files changed, 2 deletions(-)

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:12:16 2024 +0300

    4c

 2 files changed, 2 insertions(+)
```

```
C:\253501_LYAMTSEV_14>git log --name-only
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:33:58 2024 +0300

    4ef.3

IGI/LR1/foo/din.txt
IGI/LR1/foo/test1.txt

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:28:15 2024 +0300

    4ef.2

IGI/LR1/foo/baz/readme.txt
IGI/LR1/foo/test.txt

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:12:16 2024 +0300

    4c

IGI/LR1/foo/baz/readme.txt
IGI/LR1/foo/test.txt
```

```
C:\253501_LYAMTSEV_14>git log --name-status
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:33:58 2024 +0300

    4ef.3

A        IGI/LR1/foo/din.txt
A        IGI/LR1/foo/test1.txt

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:28:15 2024 +0300

    4ef.2

D        IGI/LR1/foo/baz/readme.txt
D        IGI/LR1/foo/test.txt

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:12:16 2024 +0300

    4c

A        IGI/LR1/foo/baz/readme.txt
A        IGI/LR1/foo/test.txt
```

```
C:\253501_LYAMTSEV_14>git log --relative-date
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    2 hours ago

    4ef.3

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    2 hours ago

    4ef.2

commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    2 hours ago

    4c
```

```
C:\253501_LYAMTSEV_14>git log --pretty=oneline --graph --all
* 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br) lr5
| * bfde280165b2a647fafffdddb3f2084ee61e2675 (IGI_LR4_br) lr4
|/
| * a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br) lr3
|/
| * 01947a60fa617d99956311d4b738aa082f51d589 (IGI_LR2_br) lr2
|/
| * 28b11291c2da3a1ec12bebe66967b241c943dac3 (IGI_LR1_br) lr1
|/
* cfc4caaa80392c92b9f4b6e08444c95ec2b4f2be (IGI_br) igi1
| * f8e7e128618773dd6f13a5956e787b641cffee5d (STRWEB_LR4_br) lr4
| | * d5c891ace912551098231258dab8d87447ea3882 (STRWEB_LR3_br) lr3
| |/
| | * d5c72154008ca8a9b8c9f33512ba62a504b0f678 (STRWEB_LR2_br) lr2
| |/
| | * 23464334b408e88463b7ae27f96ba3fcc8b178f6 (STRWEB_LR1_br) lr1
| |/
| * 45ddac05dcbd678f16687f10b7a45f98927b2d01 (STRWEB_br) strweb1
|/
* f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master) 4ef.3
* 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010 4ef.2
* 562de4f111cc7ab0c97f41d004502c34eb48a438 4c
```

i. Найдите разницу в изменениях для каждого коммита.

```
C:\253501_LYAMTSEV_14>git log --all -p
commit 74a1d1e93246241a2e38e5db6a3dc6d2acea3163 (IGI_LR5_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 13:00:29 2024 +0300

    lr5

diff --git a/IGI/LR5/lr5.txt b/IGI/LR5/lr5.txt
new file mode 100644
index 0000000..8434f6b
--- /dev/null
+++ b/IGI/LR5/lr5.txt
@@ -0,0 +1 @@
+lr5

commit bfde280165b2a647fafffdddb3f2084ee61e2675 (IGI_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:59:31 2024 +0300

    lr4

diff --git a/IGI/LR4/lr4.txt b/IGI/LR4/lr4.txt
new file mode 100644
index 0000000..ce8afdf
--- /dev/null
+++ b/IGI/LR4/lr4.txt
@@ -0,0 +1 @@
+lr4
```

```
commit a417a56730dd262c9c2d18412dd6deba45e6ff04 (IGI_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:58:07 2024 +0300

    lr3

diff --git a/IGI/LR3/lr3.txt b/IGI/LR3/lr3.txt
new file mode 100644
index 0000000..2327771
--- /dev/null
+++ b/IGI/LR3/lr3.txt
@@ -0,0 +1 @@
+lr3

commit 01947a60fa617d99956311d4b738aa082f51d589 (IGI_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:57:04 2024 +0300

    lr2

diff --git a/IGI/LR2/lr2.txt b/IGI/LR2/lr2.txt
new file mode 100644
index 0000000..f52df9d
--- /dev/null
+++ b/IGI/LR2/lr2.txt
@@ -0,0 +1 @@
+lr2
```

```
commit 28b11291c2da3a1ec12bebe66967b241c943dac3 (IGI_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:56:05 2024 +0300

    lr1

diff --git a/IGI/LR1/lr1.txt b/IGI/LR1/lr1.txt
new file mode 100644
index 0000000..95f8ff1
--- /dev/null
+++ b/IGI/LR1/lr1.txt
@@ -0,0 +1 @@
+lr1

commit cfc4caaa80392c92b9f4b6e08444c95ec2b4f2be (IGI_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:54:05 2024 +0300

    igi1

diff --git a/IGI/igi.txt b/IGI/igi.txt
new file mode 100644
index 0000000..91130d7
--- /dev/null
+++ b/IGI/igi.txt
@@ -0,0 +1 @@
+igi
```

```
commit f8e7e128618773dd6f13a5956e787b641cffee5d (STRWEB_LR4_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:50:17 2024 +0300

    lr4

diff --git a/STRWEB/LR4/lr4.txt b/STRWEB/LR4/lr4.txt
new file mode 100644
index 0000000..ce8afdf
--- /dev/null
+++ b/STRWEB/LR4/lr4.txt
@@ -0,0 +1 @@
+lr4

commit d5c891ace912551098231258dab8d87447ea3882 (STRWEB_LR3_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:48:51 2024 +0300

    lr3

diff --git a/STRWEB/LR3/lr3.txt b/STRWEB/LR3/lr3.txt
new file mode 100644
index 0000000..2327771
--- /dev/null
+++ b/STRWEB/LR3/lr3.txt
@@ -0,0 +1 @@
+lr3
```

```
commit d5c72154008ca8a9b8c9f33512ba62a504b0f678 (STRWEB_LR2_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:48:04 2024 +0300

    lr2

diff --git a/STRWEB/LR2/lr2.txt b/STRWEB/LR2/lr2.txt
new file mode 100644
index 0000000..f52df9d
--- /dev/null
+++ b/STRWEB/LR2/lr2.txt
@@ -0,0 +1 @@
+lr2

commit 23464334b408e88463b7ae27f96ba3fcc8b178f6 (STRWEB_LR1_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:46:47 2024 +0300

    lr1

diff --git a/STRWEB/LR1/lr1.txt b/STRWEB/LR1/lr1.txt
new file mode 100644
index 0000000..95f8ff1
--- /dev/null
+++ b/STRWEB/LR1/lr1.txt
@@ -0,0 +1 @@
+lr1

commit 45ddac05dcbd678f16687f10b7a45f98927b2d01 (STRWEB_br)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:    Sat Feb 17 12:43:53 2024 +0300

    strweb1

diff --git a/STRWEB/strweb.txt b/STRWEB/strweb.txt
new file mode 100644
index 0000000..a7430d7
--- /dev/null
+++ b/STRWEB/strweb.txt
@@ -0,0 +1 @@
+strweb
```

```
commit f12a2cbae3678ce63098d5da0435dbec2c8f4e1f (HEAD -> master)
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:33:58 2024 +0300

    4ef.3

diff --git a/IGI/LR1/foo/din.txt b/IGI/LR1/foo/din.txt
new file mode 100644
index 0000000..0feb645
--- /dev/null
+++ b/IGI/LR1/foo/din.txt
@@ -0,0 +1 @@
+083
diff --git a/IGI/LR1/foo/test1.txt b/IGI/LR1/foo/test1.txt
new file mode 100644
index 0000000..ee47c35
--- /dev/null
+++ b/IGI/LR1/foo/test1.txt
@@ -0,0 +1 @@
+000

commit 2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:28:15 2024 +0300

    4ef.2

diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
deleted file mode 100644
index 5603ba3..0000000
--- a/IGI/LR1/foo/baz/readme.txt
+++ /dev/null
@@ -1 +0,0 @@
-411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
deleted file mode 100644
index ee47c35..0000000
--- a/IGI/LR1/foo/test.txt
+++ /dev/null
@@ -1 +0,0 @@
-000
```

```
commit 562de4f111cc7ab0c97f41d004502c34eb48a438
Author: PolShihi <zhora.lyamtsev@gmail.com>
Date:   Sat Feb 17 12:12:16 2024 +0300

    4c

diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
new file mode 100644
index 0000000..5603ba3
--- /dev/null
+++ b/IGI/LR1/foo/baz/readme.txt
@@ -0,0 +1 @@
+411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
new file mode 100644
index 0000000..ee47c35
--- /dev/null
+++ b/IGI/LR1/foo/test.txt
@@ -0,0 +1 @@
+000
```

j. Создайте новый файл test.txt и вставьте в него строчку 'номер варианта'. затем сделайте коммит и отмените его.

```
C:\253501_LYAMTSEV_14>echo 14 >> test.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/
        test.txt

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

C:\253501_LYAMTSEV_14>git add test.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   test.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git commit -m "new file: test.txt"
[master 3866927] new file: test.txt
 1 file changed, 1 insertion(+)
 create mode 100644 test.txt
```

k. Проиндексируйте файл в вашем Git-репозитории, затем отмените его индексацию.

```
C:\253501_LYAMTSEV_14>git add test.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   test.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/


C:\253501_LYAMTSEV_14>git rm --cached test.txt
rm 'test.txt'

C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/
        test.txt

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

l. Внесите изменения в файл в вашем Git-репозитории и затем верните его в исходное состояние.

```
C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

C:\253501_LYAMTSEV_14>echo IGI\LR1\foo\test1.txt
IGI\LR1\foo\test1.txt

C:\253501_LYAMTSEV_14>type IGI\LR1\foo\test1.txt
000

C:\253501_LYAMTSEV_14>echo 003 >> IGI\LR1\foo\test1.txt

C:\253501_LYAMTSEV_14>type IGI\LR1\foo\test1.txt
000
003

C:\253501_LYAMTSEV_14>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:   IGI/LR1/foo/test1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

```
C:\253501_LYAMTSEV_14>git restore --worktree IGI\LR1\foo\test1.txt

C:\253501_LYAMTSEV_14>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

C:\253501_LYAMTSEV_14>type IGI\LR1\foo\test1.txt
000
```
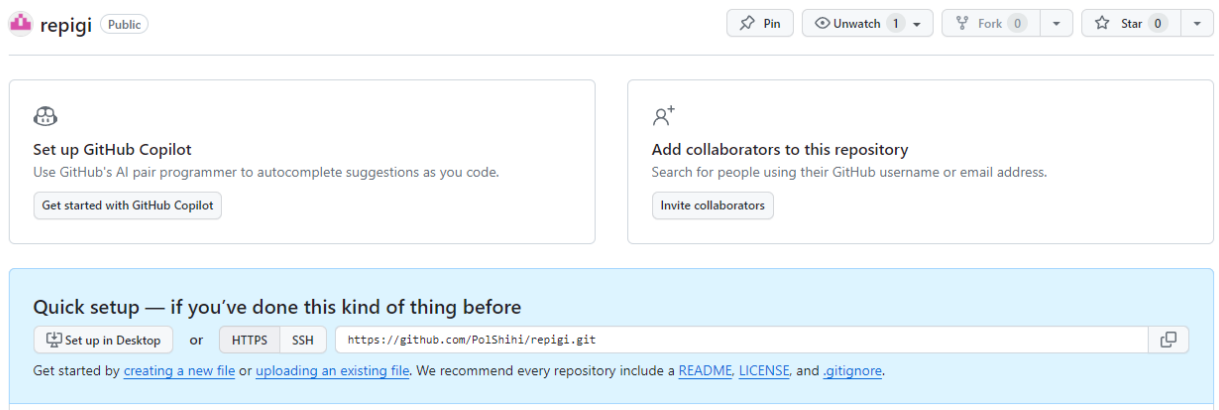
**5. Выполните следующие действия с удаленным репозиторием.**
a. Создайте удаленный репозиторий (на github.com).

b. Просмотрите информацию о нем, внесите изменения и опять просмотрите (remote, fetch).



c. Измените несколько файлов в вашем проекте и перенесите их в удаленный репозиторий.

```
C:\253501_LYAMTSEV_14>echo 234 >> IGI\LR1\foo\din.txt

C:\253501_LYAMTSEV_14>echo 234 >> IGI\LR1\foo\test1.txt

C:\253501_LYAMTSEV_14>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:   IGI/LR1/foo/din.txt
        modified:   IGI/LR1/foo/test1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        IGI/LR1/geometric_lib/

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

C:\253501_LYAMTSEV_14>git add IGI/LR1/foo/din.txt IGI/LR1/foo/test1.txt

C:\253501_LYAMTSEV_14>git commit -m "changes for github"
[master 8d621b9] changes for github
 2 files changed, 2 insertions(+)

C:\253501_LYAMTSEV_14>git push -u origin master
Enumerating objects: 27, done.
Counting objects: 100% (27/27), done.
Delta compression using up to 16 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (27/27), 1.69 KiB | 575.00 KiB/s, done.
Total 27 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/PolShihi/repigi.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

```
C:\253501_LYAMTSEV_14>git branch --all
  IGI_LR1_br
  IGI_LR2_br
  IGI_LR3_br
  IGI_LR4_br
  IGI_LR5_br
  IGI_br
  STRWEB_LR1_br
  STRWEB_LR2_br
  STRWEB_LR3_br
  STRWEB_LR4_br
  STRWEB_br
* master
  remotes/origin/master
```

d. Переименуйте свой удаленный репозиторий.

```
C:\253501_LYAMTSEV_14>git remote rename origin origin2
Renaming remote references: 100% (1/1), done.

C:\253501_LYAMTSEV_14>git branch --all
  IGI_LR1_br
  IGI_LR2_br
  IGI_LR3_br
  IGI_LR4_br
  IGI_LR5_br
  IGI_br
  STRWEB_LR1_br
  STRWEB_LR2_br
  STRWEB_LR3_br
  STRWEB_LR4_br
  STRWEB_br
* master
  remotes/origin2/master
```

e. Получите данные из удаленного репозитория.

```
C:\253501_LYAMTSEV_14>git pull origin2
Already up to date.
```

f. Просмотреть историю изменений.

```
C:\253501_LYAMTSEV_14>git log -p --pretty=oneline
8d621b90df6760e9e72876ec36208d511ae5cf64 (HEAD -> master, origin2/master) changes for github
diff --git a/IGI/LR1/foo/din.txt b/IGI/LR1/foo/din.txt
index 0feb645..5ba283f 100644
--- a/IGI/LR1/foo/din.txt
+++ b/IGI/LR1/foo/din.txt
@@ -1 +1,2 @@
 083
+234
diff --git a/IGI/LR1/foo/test1.txt b/IGI/LR1/foo/test1.txt
index ee47c35..16f62fe 100644
--- a/IGI/LR1/foo/test1.txt
+++ b/IGI/LR1/foo/test1.txt
@@ -1 +1,2 @@
 000
+234
16f6b72f738ee19d510d7c4f056962c58ccdb913 Revert "new file: test.txt"
diff --git a/test.txt b/test.txt
deleted file mode 100644
index 3597e23..0000000
--- a/test.txt
+++ /dev/null
@@ -1 +0,0 @@
-14
38669271ab595875d1aafe25c8637a92c69e111e new file: test.txt
diff --git a/test.txt b/test.txt
new file mode 100644
index 0000000..3597e23
--- /dev/null
+++ b/test.txt
@@ -0,0 +1 @@
+14
```

```
f12a2cbae3678ce63098d5da0435dbec2c8f4e1f 4ef.3
diff --git a/IGI/LR1/foo/din.txt b/IGI/LR1/foo/din.txt
new file mode 100644
index 0000000..0feb645
--- /dev/null
+++ b/IGI/LR1/foo/din.txt
@@ -0,0 +1 @@
+083
diff --git a/IGI/LR1/foo/test1.txt b/IGI/LR1/foo/test1.txt
new file mode 100644
index 0000000..ee47c35
--- /dev/null
+++ b/IGI/LR1/foo/test1.txt
@@ -0,0 +1 @@
+000
2b63eca5a4e3ce7272f5cbf2d59b275d72a9f010 4ef.2
diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
deleted file mode 100644
index 5603ba3..0000000
--- a/IGI/LR1/foo/baz/readme.txt
+++ /dev/null
@@ -1 +0,0 @@
-411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
deleted file mode 100644
index ee47c35..0000000
--- a/IGI/LR1/foo/test.txt
+++ /dev/null
@@ -1 +0,0 @@
-000
562de4f111cc7ab0c97f41d004502c34eb48a438 4c
diff --git a/IGI/LR1/foo/baz/readme.txt b/IGI/LR1/foo/baz/readme.txt
new file mode 100644
index 0000000..5603ba3
--- /dev/null
+++ b/IGI/LR1/foo/baz/readme.txt
@@ -0,0 +1 @@
+411
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
new file mode 100644
index 0000000..ee47c35
--- /dev/null
+++ b/IGI/LR1/foo/test.txt
@@ -0,0 +1 @@
+000
```