

Отчёт по лабораторной работе №1 по дисциплине избранные главы информатики.

Ястремский Ярослав, гр. 253502.

Задание 1.

```
yarik@antimageking MINGW64 /d/studying
$ git --version
git version 2.41.0.windows.1
```

```
yarik@antimageking MINGW64 /d/studying
$ git config --list
```

```
user.name=Yaroslav Yastremskiy
user.email=yarik_02022005@mail.ru
```

Задание 2.

Для создания папок использовалась команда «mkdir name»

Для создания текстового файла с содержимым использовалась команда «echo “text” >> name.txt»

Создаём базовую директорию 253502_Yastremskiy_29 и создадим структура согласно индивидуальному заданию

```
yarik@antimageking MINGW64 /d/studying/253502_Yastremskiy_29 (main)
$ cmd //c tree //a //f
Структура папок тома Data
Серийный номер тома: DA22-0603
D:.
+---IGI
|   +---LR1
|   |   \---253502_Yastremskiy_29
|   |       +---bar
|   |           +---755
|   |           |   \---baz
|   |           |       readme.txt
|   |           |   +---744
|   |           |   |   \---example
|   |           |   |       \---255
|   |           |   \---foo
|   |           |       test.txt
|   |           |   +---711
|   |           |   |   \---bin
|   |           |   |       \---766
|   |       +---LR2
|   |       +---LR3
|   |       +---LR4
|   |       \---LR5
|   \---STRWEB
|       +---LR1
|       +---LR2
|       +---LR3
|       \---LR4
```

Задание 3.

Клонируем удалённый репозиторий

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1 (main)
$ git clone https://github.com/smartiqaorg/geometric_lib
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.
```

Задание 4.

a. Сделаем индексацию файлов в скопированном репозитории.

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ git add .
```

b. Внесём изменения в репозитории

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ echo "print('Hello, world')" >> square.py

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ echo "print('Hello, world 2')" >> circle.py
```

c. Проиндексируем изменения и выполним коммит к файлам

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ git add . && git commit -m "some changes in 2 files"
warning: in the working copy of 'circle.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'square.py', LF will be replaced by CRLF the next time Git touches it
[main 93c8d6e] some changes in 2 files
2 files changed, 2 insertions(+)
```

d. Добавим файл с расширением *.txt и удалим все файлы *.py

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ touch some.txt

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ rm *.py
```

Новое содержимое директории geometric_lib:

```
docs/  some.txt
```

e. Переименуем файл «some.txt»

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ mv some.txt renamed_file.txt

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/IGI/LR1/geometric_lib (main)
$ ls
docs/  renamed_file.txt
```

f. Создаем для IGI отдельную ветку.

```
$ cd IGI
yarik@antimagekingMINGW64/d/studying/git_igi/253502_Yastremskiy_29/IGI (main)
$ touch Readme.md
yarik@antimagekingMINGW64/d/studying/git_igi/253502_Yastremskiy_29/IGI (main)
$ git branch IGI
yarik@antimagekingMINGW64/d/studying/git_igi/253502_Yastremskiy_29/IGI (main)
$ git checkout IGI
Switched to branch 'IGI'
yarik@antimagekingMINGW64/d/studying/git_igi/253502_Yastremskiy_29/IGI (IGI)
$ git add Readme.md
yarik@antimagekingMINGW64/d/studying/git_igi/253502_Yastremskiy_29/IGI (IGI)
```

```
$ git commit -m "added readme to IGI"
[IGI f178368] added readme to IGI
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 253502_Yastremskiy_29/IGI/Readme.md
```

Аналогично для STRWEB

```
yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/STRWEB (mai
n)
$ git branch STRWEB

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/STRWEB (mai
n)
$ git checkout STRWEB
Switched to branch 'STRWEB'

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29/STRWEB (STR
WEB)
$ git commit -m "Added readme to STRWEB"
[STRWEB 22c84dc] Added readme to STRWEB
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 253502_Yastremskiy_29/STRWEB/Readme.md
```

Для всех остальных папок с лабораторными работами, проводим такую же процедуру

g. Выведем всю историю коммитов

```
* 352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
* 3c945ff (IGI_LR4) 1st commit to IGI_LR4
/
* d4dad12 (IGI_LR3) 1st commit to IGI_LR3
/
* b966986 (IGI_LR2) 1st commit to IGI_LR2
/
* b8a3576 (IGI_LR1) 1st commit to IGI_LR1
/
* 798d084 (IGI) 1st commit to IGI
* 78258ed (main) Commit to main
|
* 31b3063 (STRWEB_LR4) 1st commit to STRWEB/LR4
|
| * d4d0c53 (STRWEB_LR3) 1st commit for STRWEB/LR3
|/
|
| * 89392b9 (STRWEB_LR2) 1st commit for STRWEB/LR2
|/
|
| * 9be4d99 (STRWEB_LR1) 1st commit for STRWEB/LR1
|/
|
* 22c84dc (STRWEB) Added readme to STRWEB
/
* 2f8ab52 added readme
* 05e4cb0 (origin/main) first commit
```

Выведем последние 5 коммитов

```
$ git log --branches --graph --oneline -5
* 352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR
* 3c945ff (IGI_LR4) 1st commit to IGI_LR4
/
* d4dad12 (IGI_LR3) 1st commit to IGI_LR3
/
* b966986 (IGI_LR2) 1st commit to IGI_LR2
/
* b8a3576 (IGI_LR1) 1st commit to IGI_LR1
/
```

Выведем коммиты сделанные в определенный промежуток времени

```
$ git log --branches --since="Sun Feb 18 20:15:00 2024 +0300" --until="Sun Feb 18 20:40:59 2024 +0300"
commit 31b306377a6ec98c749fb9037f29420f1ac5417c (STRWEB_LR4)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: Sun Feb 18 20:34:21 2024 +0300

1st commit to STRWEB/LR4

commit 78258ed0b4b497a16d01cf8e6e71f6169ec2725c (main)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: Sun Feb 18 20:32:13 2024 +0300

Commit to main
```

Выведем историю коммитов, сделанных определенных автором

```
$ git log --branches --author="Yaroslav Yastremskiy" --oneline --graph
* 352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
* 3c945ff (IGI_LR4) 1st commit to IGI_LR4
* d4dad12 (IGI_LR3) 1st commit to IGI_LR3
* b966986 (IGI_LR2) 1st commit to IGI_LR2
* b8a3576 (IGI_LR1) 1st commit to IGI_LR1
* 798d084 (IGI) 1st commit to IGI
* 78258ed (main) Commit to main
* 31b3063 (STRWEB_LR4) 1st commit to STRWEB/LR4
* d4d0c53 (STRWEB_LR3) 1st commit for STRWEB/LR3
* 89392b9 (STRWEB_LR2) 1st commit for STRWEB/LR2
* 9be4d99 (STRWEB_LR1) 1st commit for STRWEB/LR1
* 22c84dc (STRWEB) Added readme to STRWEB
* 2f8ab52 added readme
* 05e4cb0 (origin/main) first commit
```

Выведем коммиты, названия которых содержат определенную строку

```
$ git log --branches --grep="1st" --oneline
352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
3c945ff (IGI_LR4) 1st commit to IGI_LR4
d4dad12 (IGI_LR3) 1st commit to IGI_LR3
b966986 (IGI_LR2) 1st commit to IGI_LR2
b8a3576 (IGI_LR1) 1st commit to IGI_LR1
798d084 (IGI) 1st commit to IGI
31b3063 (STRWEB_LR4) 1st commit to STRWEB/LR4
d4d0c53 (STRWEB_LR3) 1st commit for STRWEB/LR3
89392b9 (STRWEB_LR2) 1st commit for STRWEB/LR2
9be4d99 (STRWEB_LR1) 1st commit for STRWEB/LR1
```

h.

```
$ git log --stat
```

```
253502_Yastremskiy_29/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/755/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/744/.gitkeep | 0
.../IGI/LR1/253502_Yastremskiy_29/bar/baz/example/255/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/readme.txt | 1 +
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/711/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/bin/766/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/test.txt | 1 +
253502_Yastremskiy_29/IGI/LR2/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR3/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR4/.gitkeep | 0
253502_Yastremskiy_29/IGI/LR5/.gitkeep | 0
253502_Yastremskiy_29/STRWEB/LR1/.gitkeep | 0
253502_Yastremskiy_29/STRWEB/LR2/.gitkeep | 0
253502_Yastremskiy_29/STRWEB/LR3/.gitkeep | 0
253502_Yastremskiy_29/STRWEB/LR4/.gitkeep | 0
16 files changed, 2 insertions(+)
```

```
$ git log --shortstat
commit 352c80983ad7452df976b079ee303397bf1cc45d (HEAD -> IGI_LR5)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: Sun Feb 18 20:59:14 2024 +0300

    1st commit to IGI_LR5

1 file changed, 0 insertions(+), 0 deletions(-)
```

```
$ git log --name-only --oneline --branches
352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
253502_Yastremskiy_29/IGI/LR5/Readme.md
3c945ff (IGI_LR4) 1st commit to IGI_LR4
253502_Yastremskiy_29/IGI/LR4/Readme.md
d4dad12 (IGI_LR3) 1st commit to IGI_LR3
253502_Yastremskiy_29/IGI/LR3/Readme.md
b966986 (IGI_LR2) 1st commit to IGI_LR2
253502_Yastremskiy_29/IGI/LR2/Readme.md
b8a3576 (IGI_LR1) 1st commit to IGI_LR1
253502_Yastremskiy_29/IGI/LR1/Readme.md
798d084 (IGI) 1st commit to IGI
253502_Yastremskiy_29/IGI/LR1/geometric_lib
253502_Yastremskiy_29/IGI/Readme.md
31b3063 (STRWEB_LR4) 1st commit to STRWEB/LR4
253502_Yastremskiy_29/STRWEB/LR4/Readme.md
```

```
$ git log --name-status --oneline --branches
352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
A   253502_Yastremskiy_29/IGI/LR5/Readme.md
3c945ff (IGI_LR4) 1st commit to IGI_LR4
A   253502_Yastremskiy_29/IGI/LR4/Readme.md
d4dad12 (IGI_LR3) 1st commit to IGI_LR3
A   253502_Yastremskiy_29/IGI/LR3/Readme.md
b966986 (IGI_LR2) 1st commit to IGI_LR2
A   253502_Yastremskiy_29/IGI/LR2/Readme.md
b8a3576 (IGI_LR1) 1st commit to IGI_LR1
A   253502_Yastremskiy_29/IGI/LR1/Readme.md
798d084 (IGI) 1st commit to IGI
A   253502_Yastremskiy_29/IGI/LR1/geometric_lib
A   253502_Yastremskiy_29/IGI/Readme.md
31b3063 (STRWEB_LR4) 1st commit to STRWEB/LR4
A   253502_Yastremskiy_29/STRWEB/LR4/Readme.md
78258ed (main) Commit to main
```

```
$ git log --relative-date
commit 352c80983ad7452df976b079ee303397bf1cc45d (HEAD -> IGI_LR5)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: 13 minutes ago

    1st commit to IGI_LR5

commit 798d0848142b8a2cb10a77c45bf15763b7ef10ad (IGI)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: 19 minutes ago

    1st commit to IGI

commit 78258ed0b4b497a16d01cf8e6e71f6169ec2725c (main)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: 40 minutes ago

    Commit to main

commit 2f8ab528112080be8044703142c098f41cbc6ec2
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: 85 minutes ago

    added readme

commit 05e4cb0f19b815421822ab18547f72ed96d3de52 (origin/main)
Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
Date: 2 hours ago

    first commit
```

```
$ git log --pretty=format:"%Cred%h%Creset -%C(blue)%d%Creset %s %Cblue(%cr) %C(blue)<%an>%Creset"
352c809 - (HEAD -> IGI_LR5) 1st commit to IGI_LR5 (17 minutes ago) <Yaroslav Yastremskiy>
```



```

$ git log --patch --oneline
352c809 (HEAD -> IGI_LR5) 1st commit to IGI_LR5
diff --git a/253502_Yastremskiy_29/IGI/LR5/Readme.md b/253502_Yastremskiy_29/IGI/LR5/Readme.md
new file mode 100644
index 0000000..e69de29
798d084 (IGI) 1st commit to IGI
diff --git a/253502_Yastremskiy_29/IGI/LR1/geometric_lib b/253502_Yastremskiy_29/IGI/LR1/geometric_lib
new file mode 160000
index 0000000..93c8d6e
--- /dev/null
+++ b/253502_Yastremskiy_29/IGI/LR1/geometric_lib
@@ -0,0 +1 @@
+Subproject commit 93c8d6e235615c3da9a474c194ae0cc2a09705dd
diff --git a/253502_Yastremskiy_29/IGI/Readme.md b/253502_Yastremskiy_29/IGI/Readme.md
new file mode 100644
index 0000000..e69de29
78298ed (main) Commit to main
diff --git a/253502_Yastremskiy_29/STRWEB/LR4/Readme.md b/253502_Yastremskiy_29/STRWEB/LR4/Readme.md
new file mode 100644
index 0000000..e69de29
2f8ab52 added readme
diff --git a/253502_Yastremskiy_29/Readme.md b/253502_Yastremskiy_29/Readme.md
new file mode 100644
index 0000000..e69de29
05e4cb0 (origin/main) first commit
diff --git a/253502_Yastremskiy_29/.gitkeep b/253502_Yastremskiy_29/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/755/.gitkeep b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/755/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/744/.gitkeep b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/744/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/example/255/.gitkeep b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/example/255/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/readme.txt b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/readme.txt
new file mode 100644
index 0000000..4970e69
--- /dev/null
+++ b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/bar/baz/readme.txt
@@ -0,0 +1 @@
+S44
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/711/.gitkeep b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/711/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/bin/766/.gitkeep b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/bin/766/.gitkeep
new file mode 100644
index 0000000..e69de29
diff --git a/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/test.txt b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/test.txt
new file mode 100644
index 0000000..8f087a3
--- /dev/null
+++ b/253502_Yastremskiy_29/IGI/LR1/253502_Yastremskiy_29/foo/test.txt
:

```

j.

```

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git add test.txt
warning: in the working copy of '253502_Yastremskiy_29/test.txt', LF will be replaced by CRLF the next time Git touches it

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git commit -m "Added test.txt"
[main 4941311] Added test.txt
1 file changed, 1 insertion(+)
create mode 100644 253502_Yastremskiy_29/test.txt

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ ls
IGI Readme.md STRWEB test.txt

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
(use "git push" to publish your local commits)

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

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

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git reset HEAD~1

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)

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

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

```

k.

```

$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)

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

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

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git add test.txt
warning: in the working copy of '253502_Yastremskiy_29/test.txt', LF will be replaced by CRLF the next time Git touches it

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)

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/
    ../dgas

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git restore --staged
fatal: you must specify path(s) to restore

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git restore --staged .

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)

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

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

```

1.

```

$ echo "$(<test.txt)"
Variant 29

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git add test.txt
warning: in the working copy of '253502_Yastremskiy_29/test.txt', LF will be replaced by CRLF the next time Git touches it

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ echo "Something new in file" >> test.txt

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ echo "$(<test.txt)"
Variant 29
Something new in file

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   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:   test.txt

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

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git restore .

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ echo "$(<test.txt)"
Variant 29

```

Задание 5.

а. Создадим и подключим удаленный репозиторий к данному проекту.

```

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git remote add origin https://github.com/whiteprincewithobsession/IGI-LR1.git

yarik@antimageking MINGW64 /d/studying/git_igi/253502_Yastremskiy_29 (main)
$ git remote add originssh git@github.com:whiteprincewithobsession/IGI-LR1.git

```

b.

```
$ git push origin main
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 753 bytes | 753.00 KiB/s, done.
Total 8 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/whiteprincewithobsession/IGI.git
05e4cb0..78258ed main -> main

yarik@antimageking MINGW64 /d/studying/git_igi (main)
$ git fetch origin
```

c. Вносим изменения и сохраняем их

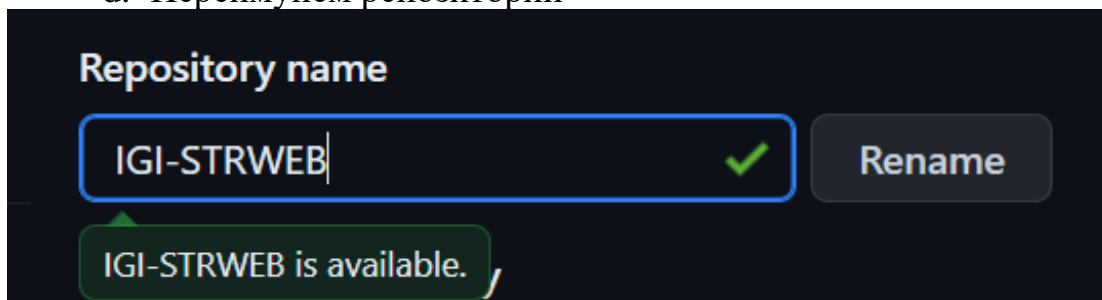
```
yarik@antimageking MINGW64 /d/studying/git_igi (main)
$ echo "Labs for IGI and STRWEB 4sem" >> README.md

yarik@antimageking MINGW64 /d/studying/git_igi (main)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

yarik@antimageking MINGW64 /d/studying/git_igi (main)
$ git commit -m "Changes in readme"
[main 8c4cb31] changes in readme
2 files changed, 2 insertions(+)
create mode 100644 253502_Yastremskiy_29/test.txt
create mode 100644 README.md

$ git push origin
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 431 bytes | 431.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/whiteprincewithobsession/IGI.git
78258ed..8c4cb31 main -> main
```

d. Переименуем репозиторий



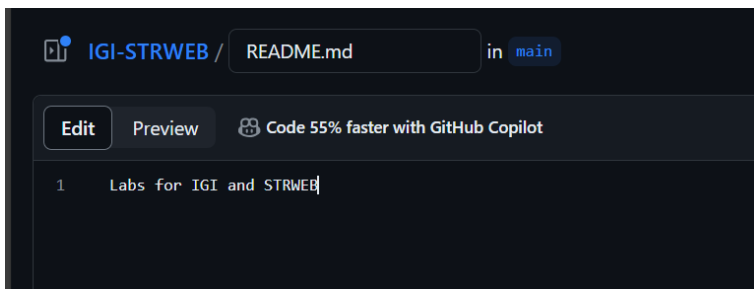
Repository name

IGI-STRWEB ✓

Rename

IGI-STRWEB is available.

e.



```
$ git fetch
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 1015 bytes | 253.00 KiB/s, done.
From https://github.com/whiteprincewithobsession/IGI-STRWEB
* [new branch]      main      -> originssh/main
```

f. История изменений

```
$ git log --branches --graph
* commit 8c4cb3196e6f6e08d806bdfb4d197108a9636b26 (HEAD -> main)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 22:10:25 2024 +0300

    Changes in readme

* commit 352c80983ad7452df976b079ee303397bf1cc45d (IGI_LR5)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:59:14 2024 +0300

    1st commit to IGI_LR5

* commit 3c945fff00d4434a5239f5885fcb9fcc26db14fe9 (IGI_LR4)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:58:40 2024 +0300

    1st commit to IGI_LR4

* commit d4dad12e3cf15a9c061edaeda5176cbe1a774375 (IGI_LR3)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:57:05 2024 +0300

    1st commit to IGI_LR3

* commit b966986538410ab493d1fd3149de11fae0f05be4 (IGI_LR2)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:55:39 2024 +0300

    1st commit to IGI_LR2

* commit b8a357632bd828ae77a69c86cfa7addd72bc2766 (IGI_LR1)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:54:37 2024 +0300

    1st commit to IGI_LR1

* commit 798d0848142b8a2cb10a77c45bf15763b7ef10ad (IGI)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:53:13 2024 +0300

    1st commit to IGI

* commit 78258ed0b4b497a16d01cf8e6e71f6169ec2725c
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:32:13 2024 +0300

    Commit to main

* commit 31b306377a6ec98c749fb9037f29420f1ac5417c (STRWEB_LR4)
  Author: Yaroslav Yastremskiy <yarik_02022005@mail.ru>
  Date:   Sun Feb 18 20:34:21 2024 +0300

    1st commit to STRWEB/LR4

* commit d4d0c5363468b1620a77996313f18d10d616fec8 (STRWEB_LR3)
```