Отчёт ЛР1 ИГИ
353504 Левшуков Дмитрий Александрович (35350074)

1.

```
C:\Users\Lenovo>git config --global user.name
Dzmitry Leushukou

C:\Users\Lenovo>git config --global user.email
dmitrylevshukov@outlook.com
```

2.

```
D:\Programming\BSUIR>mkdir 353504_LEVSHUKOV_16
```

```
D:\Programming\BSUIR>cd 353504_LEVSHUKOV_16

D:\Programming\BSUIR\353504_LEVSHUKOV_16>mkdir IGI

D:\Programming\BSUIR\353504_LEVSHUKOV_16>mkdir STRWEB

D:\Programming\BSUIR\353504_LEVSHUKOV_16>cd IGI

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR1

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR2

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR3

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR4

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR5

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>mkdir LR5
Подпапка или файл LR5 уже существует.

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>cd ..

D:\Programming\BSUIR\353504_LEVSHUKOV_16>cd STRWEB

D:\Programming\BSUIR\353504_LEVSHUKOV_16\STRWEB>mkdir LR1

D:\Programming\BSUIR\353504_LEVSHUKOV_16\STRWEB>mkdir LR2

D:\Programming\BSUIR\353504_LEVSHUKOV_16\STRWEB>mkdir LR3

D:\Programming\BSUIR\353504_LEVSHUKOV_16\STRWEB>mkdir LR4

D:\Programming\BSUIR\353504_LEVSHUKOV_16\STRWEB>CD..

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git init
Initialized empty Git repository in D:/Programming/BSUIR/353504_LEVSHUKOV_16/.git/
```

3.

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>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 (from 1)
Receiving objects: 100% (35/35), 4.60 KiB | 1.15 MiB/s, done.
Resolving deltas: 100% (6/6), done.
```

4. a

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git add circle.py square.py

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

b

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is up to date with 'origin/main'.

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:   circle.py
        modified:   square.py

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

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>
```

c

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git add circle.py square.py

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   circle.py
        modified:   square.py

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git commit -m "Task 4c"
[main 2915652] Task 4c
 2 files changed, 2 insertions(+)

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

d

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        1.txt
        2.txt
        3.txt

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

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:    circle.py

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

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

e

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\geometric_lib>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:    circle.py

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        cicrle1.py

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

f

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b IGI
Switched to a new branch 'IGI'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB
rm 'STRWEB/LR1/README.md'
rm 'STRWEB/LR2/README.md'
rm 'STRWEB/LR3/README.md'
rm 'STRWEB/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git status
On branch IGI
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    STRWEB/LR1/README.md
        deleted:    STRWEB/LR2/README.md
        deleted:    STRWEB/LR3/README.md
        deleted:    STRWEB/LR4/README.md


D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "IGI"
[IGI 8ddcfac] IGI
 4 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR3/README.md
 delete mode 100644 STRWEB/LR4/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b IGI_LR1
Switched to a new branch 'IGI_LR1'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR2
rm 'IGI/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR3
rm 'IGI/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR4
rm 'IGI/LR4/README.md'
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "lr1"
[IGI_LR1 468e9c0] lr1
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR2/README.md
 delete mode 100644 IGI/LR3/README.md
 delete mode 100644 IGI/LR4/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch
  IGI
* IGI_LR1
  main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI
Switched to branch 'IGI'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b IGI_LR2
Switched to a new branch 'IGI_LR2'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR1
fatal: could not lookup name for submodule 'IGI/LR1/geometric_lib'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR3
rm 'IGI/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR4
rm 'IGI/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "lr2"
[IGI_LR2 1189b1d] lr2
 2 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR3/README.md
 delete mode 100644 IGI/LR4/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR5
rm 'IGI/LR5/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "lr2"
[IGI_LR2 9f11ee1] lr2
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR5/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch IGI_LR1
fatal: a branch named 'IGI_LR1' already exists

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI_LR1
Switched to branch 'IGI_LR1'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR5
rm 'IGI/LR5/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit "lr1"
error: pathspec 'lr1' did not match any file(s) known to git

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit "lr1 fix"
error: pathspec 'lr1 fix' did not match any file(s) known to git

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "lr1 fix"
[IGI_LR1 e6e6c37] lr1 fix
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR5/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI_LR3
Switched to branch 'IGI_LR3'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR2
rm 'IGI/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR4
rm 'IGI/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR5
rm 'IGI/LR5/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR3"
[IGI_LR3 4a5494c] LR3
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR2/README.md
 delete mode 100644 IGI/LR4/README.md
 delete mode 100644 IGI/LR5/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI
Already on 'IGI'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b IGI_LR4
Switched to a new branch 'IGI_LR4'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR2
rm 'IGI/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR3
rm 'IGI/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR5
rm 'IGI/LR5/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR4"
[IGI_LR4 9ed6ff2] LR4
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 IGI/LR2/README.md
 delete mode 100644 IGI/LR3/README.md
 delete mode 100644 IGI/LR5/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b STRWEB_LR1
Switched to a new branch 'STRWEB_LR1'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf LR2
fatal: pathspec 'LR2' did not match any files

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf LR3
fatal: pathspec 'LR3' did not match any files

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR3
rm 'STRWEB/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR2
rm 'STRWEB/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR4
rm 'STRWEB/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR1"
[STRWEB_LR1 0a74b01] LR1
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR3/README.md
 delete mode 100644 STRWEB/LR4/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR3
rm 'STRWEB/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR4
rm 'STRWEB/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR2"
[STRWEB_LR2 b9c031d] LR2
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR3/README.md
 delete mode 100644 STRWEB/LR4/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout STRWEB
Switched to branch 'STRWEB'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b STRWEB_LR3
Switched to a new branch 'STRWEB_LR3'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR1
rm 'STRWEB/LR1/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR2
rm 'STRWEB/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR4
rm 'STRWEB/LR4/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR3"
[STRWEB_LR3 f2524e9] LR3
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR4/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout STRWEB
Switched to branch 'STRWEB'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout STRWEB_LR4
error: pathspec 'STRWEB_LR4' did not match any file(s) known to git

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b STRWEB_LR4
Switched to a new branch 'STRWEB_LR4'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR1
rm 'STRWEB/LR1/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR2
rm 'STRWEB/LR2/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf STRWEB/LR3
rm 'STRWEB/LR3/README.md'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "LR4"
[STRWEB_LR4 e16964a] LR4
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR3/README.md
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Del LR1"
[IGI_LR2 27ec340] Del LR1
 2 files changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 160000 IGI/LR1/geometric_lib

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI_LR3
Switched to branch 'IGI_LR3'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Del LR1"
[IGI_LR3 1681cc6] Del LR1
 2 files changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 160000 IGI/LR1/geometric_lib

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI_LR4
Switched to branch 'IGI_LR4'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Del LR1"
[IGI_LR4 55c703f] Del LR1
 2 files changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 160000 IGI/LR1/geometric_lib

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout IGI_LR5
Switched to branch 'IGI_LR5'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Del LR1"
[IGI_LR5 7d09855] Del LR1
 2 files changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 160000 IGI/LR1/geometric_lib
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch --all --verbose
  IGI          8ddcfac IGI
  IGI_LR1      e6e6c37 lr1 fix
  IGI_LR2      27ec340 Del LR1
  IGI_LR3      1681cc6 Del LR1
  IGI_LR4      55c703f Del LR1
  IGI_LR5      7d09855 Del LR1
  STRWEB       da8a701 STRWEB
  STRWEB_LR1 0a74b01 LR1
  STRWEB_LR2 b9c031d LR2
  STRWEB_LR3 f2524e9 LR3
  STRWEB_LR4 e16964a LR4
* main         633966c README
```

g

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log -n 10
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --since="2025-02-18"

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --since="2025-02-17"
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 01:58:10 2025 +0300

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --until="2025-02-17"

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --until="2025-02-18"
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 01:58:10 2025 +0300

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --author="Dzmitry Leushukou"
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 01:58:10 2025 +0300

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --committer="Dzmitry"
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --grep="Dzmitry"

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --grep="READ"
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log -p
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> ma
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

diff --git a/IGI/LR1/bin/bar/readme.txt b/IGI/LR1/bin/bar/r
new file mode 100644
index 0000000..e0c1820
--- /dev/null
+++ b/IGI/LR1/bin/bar/readme.txt
@@ -0,0 +1 @@
+244
\ No newline at end of file
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
new file mode 100644
index 0000000..86ed5c7
--- /dev/null
+++ b/IGI/LR1/foo/test.txt
@@ -0,0 +1 @@
+717
\ No newline at end of file

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

diff --git a/IGI/LR1/README.md b/IGI/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR2/README.md b/IGI/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR3/README.md b/IGI/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR4/README.md b/IGI/LR4/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR5/README.md b/IGI/LR5/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR1/README.md b/STRWEB/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR2/README.md b/STRWEB/LR2/README.md
```
h

```
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

diff --git a/IGI/LR1/README.md b/IGI/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR2/README.md b/IGI/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR3/README.md b/IGI/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR4/README.md b/IGI/LR4/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR5/README.md b/IGI/LR5/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR1/README.md b/STRWEB/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR2/README.md b/STRWEB/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR3/README.md b/STRWEB/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR4/README.md b/STRWEB/LR4/README.md
new file mode 100644
index 0000000..e69de29

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

diff --git a/IGI/LR1/geometric_lib b/IGI/LR1/geometric_lib
new file mode 160000
index 0000000..2915652
--- /dev/null
+++ b/IGI/LR1/geometric_lib
@@ -0,0 +1 @@
+Subproject commit 291565258022e2a38ad005ffb8cf8fc4bfb282db
(END)
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --stat
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

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

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

 IGI/LR1/README.md    | 0
 IGI/LR2/README.md    | 0
 IGI/LR3/README.md    | 0
 IGI/LR4/README.md    | 0
 IGI/LR5/README.md    | 0
 STRWEB/LR1/README.md | 0
 STRWEB/LR2/README.md | 0
 STRWEB/LR3/README.md | 0
 STRWEB/LR4/README.md | 0
 9 files changed, 0 insertions(+), 0 deletions(-)

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

 IGI/LR1/geometric_lib | 1 +
 1 file changed, 1 insertion(+)

D:\Programming\BSUIR\353504_LEVSHUKOV_16>
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --shortstat
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Wed Feb 19 23:43:49 2025 +0300

    Indiv

 2 files changed, 2 insertions(+)

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 02:00:34 2025 +0300

    README

 9 files changed, 0 insertions(+), 0 deletions(-)

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    Tue Feb 18 01:58:10 2025 +0300

    Main

 1 file changed, 1 insertion(+)
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --name-only
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

IGI/LR1/bin/bar/readme.txt
IGI/LR1/foo/test.txt

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

IGI/LR1/README.md
IGI/LR2/README.md
IGI/LR3/README.md
IGI/LR4/README.md
IGI/LR5/README.md
STRWEB/LR1/README.md
STRWEB/LR2/README.md
STRWEB/LR3/README.md
STRWEB/LR4/README.md

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

IGI/LR1/geometric_lib
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --name-status
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

A       IGI/LR1/bin/bar/readme.txt
A       IGI/LR1/foo/test.txt

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

A       IGI/LR1/README.md
A       IGI/LR2/README.md
A       IGI/LR3/README.md
A       IGI/LR4/README.md
A       IGI/LR5/README.md
A       STRWEB/LR1/README.md
A       STRWEB/LR2/README.md
A       STRWEB/LR3/README.md
A       STRWEB/LR4/README.md

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

A       IGI/LR1/geometric_lib
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --relative-date
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    9 minutes ago

    Indiv

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    2 days ago

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:    2 days ago

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --pretty
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --pretty=short
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    Indiv

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --pretty=medium
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --pretty=full
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Commit: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    Indiv

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Commit: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    README

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Commit: Dzmitry Leushukou <dmitrylevshukov@outlook.com>

    Main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log --graph
* commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
| Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
| Date:   Wed Feb 19 23:43:49 2025 +0300
|
|     Indiv
|
* commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
| Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
| Date:   Tue Feb 18 02:00:34 2025 +0300
|
|     README
|
* commit acf07d82e9c9e5012086d826e6ba581305865dab
  Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
  Date:   Tue Feb 18 01:58:10 2025 +0300

      Main
```

i

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git log -p
commit 53f4eafebad1c004d35309a25180993d4c9ddb98 (HEAD -> main)
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Wed Feb 19 23:43:49 2025 +0300

    Indiv

diff --git a/IGI/LR1/bin/bar/readme.txt b/IGI/LR1/bin/bar/readme.txt
new file mode 100644
index 0000000..e0c1820
--- /dev/null
+++ b/IGI/LR1/bin/bar/readme.txt
@@ -0,0 +1 @@
+244
\ No newline at end of file
diff --git a/IGI/LR1/foo/test.txt b/IGI/LR1/foo/test.txt
new file mode 100644
index 0000000..86ed5c7
--- /dev/null
+++ b/IGI/LR1/foo/test.txt
@@ -0,0 +1 @@
+717
\ No newline at end of file

commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

diff --git a/IGI/LR1/README.md b/IGI/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR2/README.md b/IGI/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR3/README.md b/IGI/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR4/README.md b/IGI/LR4/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR5/README.md b/IGI/LR5/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR1/README.md b/STRWEB/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR2/README.md b/STRWEB/LR2/README.md
```

```
commit 633966c6f41be9de5d4a5561f1b0ca8dc7d93bae
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 02:00:34 2025 +0300

    README

diff --git a/IGI/LR1/README.md b/IGI/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR2/README.md b/IGI/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR3/README.md b/IGI/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR4/README.md b/IGI/LR4/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/IGI/LR5/README.md b/IGI/LR5/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR1/README.md b/STRWEB/LR1/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR2/README.md b/STRWEB/LR2/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR3/README.md b/STRWEB/LR3/README.md
new file mode 100644
index 0000000..e69de29
diff --git a/STRWEB/LR4/README.md b/STRWEB/LR4/README.md
new file mode 100644
index 0000000..e69de29

commit acf07d82e9c9e5012086d826e6ba581305865dab
Author: Dzmitry Leushukou <dmitrylevshukov@outlook.com>
Date:   Tue Feb 18 01:58:10 2025 +0300

    Main

diff --git a/IGI/LR1/geometric_lib b/IGI/LR1/geometric_lib
new file mode 160000
index 0000000..2915652
--- /dev/null
+++ b/IGI/LR1/geometric_lib
@@ -0,0 +1 @@
+Subproject commit 291565258022e2a38ad005ffb8cf8fc4bfb282db
(END)
```

j

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI>cd LR1

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>copy con test.txt
15 not 16(^Z
Скопировано файлов:          1.

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git commit -m "test"
[main 71c0961] test
 1 file changed, 1 insertion(+), 1 deletion(-)

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git reset --soft HEAD~1

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   test.txt

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

j

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git commit -m "all"
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../../log

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

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>echo "bimbimbambam" > com.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git add com.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   com.txt

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

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git restore --staged com.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        com.txt
        ../../log

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

```
 D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   com.txt

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


 D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git commit -m "add com"
[main ee6d4e8] add com
 1 file changed, 1 insertion(+)
 create mode 100644 IGI/LR1/com.txt
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
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:   com.txt

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

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

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git checkout -- com.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../../log

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

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>
```

5. a

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git remote add origin https://github.com/
Dzmitry-Leushukou/353504_LEVSHUKOV_16.git

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git remote -v
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (fetch)
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (push)
```

b

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git remote -v
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (fetch)
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (push)
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git fetch origin
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 (from 0)
Unpacking objects: 100% (3/3), 962 bytes | 24.00 KiB/s, done.
From https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16
   cd88e8a..826e476  main        -> origin/main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git remote -v
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (fetch)
origin  https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git (push)

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch -r
  origin/main
```

c

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch IGI_LR1
All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        new file:   com.txt
        new file:   f1.txt
        new file:   f2.txt
        new file:   ../../README.md

Untracked files:
```
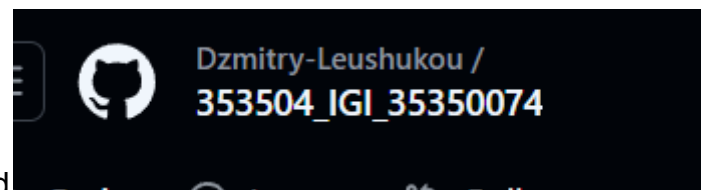
```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git commit -m "Upd"
[IGI_LR1 a75fcc2] Upd

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git push --all origin
Enumerating objects: 18, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (9/9), 916 bytes | 183.00 KiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 2 local objects.
To https://github.com/Dzmitry-Leushukou/353504_LEVSHUKOV_16.git
   bbbaa09..5e10ef3  IGI -> IGI
   28f0edd..a75fcc2  IGI_LR1 -> IGI_LR1
```

Dzmitry-Leushukou /
353504_IGI_35350074

d

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git remote set-url origin https://github.com/Dzmitry-Le
ushukou/353504_IGI_35350074

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git remote -v
origin  https://github.com/Dzmitry-Leushukou/353504_IGI_35350074 (fetch)
origin  https://github.com/Dzmitry-Leushukou/353504_IGI_35350074 (push)
```

e

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git fetch origin

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../../cd
        ../../log

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

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git remote -v
origin  https://github.com/Dzmitry-Leushukou/353504_IGI_35350074 (fetch)
origin  https://github.com/Dzmitry-Leushukou/353504_IGI_35350074 (push)

D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git branch -r
  origin/IGI
  origin/IGI_LR1
  origin/IGI_LR2
  origin/IGI_LR3
  origin/IGI_LR4
  origin/IGI_LR5
  origin/STRWEB
  origin/STRWEB_LR1
  origin/STRWEB_LR2
  origin/STRWEB_LR3
  origin/STRWEB_LR4
  origin/main
```

f

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git fetch --all
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1>git log --all --remotes --oneline --graph
*   a75fcc2 (origin/IGI_LR1, IGI_LR1) Upd
|\
* | 28f0edd upd
* | e6e6c37 lr1 fix
* | 468e9c0 lr1
| | * 5e10ef3 (origin/IGI, IGI) Add readme
| | *   efebc57 upd
| | |\
| | |/
| |/|
| * | c09cb5c (HEAD -> main, origin/main) 5c
| * | 826e476 Create README.md
| * | cd88e8a edit com
| * | ee6d4e8 add com
| * | 53f4eaf Indiv
| | * bbbaa09 fix
| |/
|/|
| | * 7d09855 (origin/IGI_LR5, IGI_LR5) Del LR1
| | * 7c811d1 LR5
| |/
|/|
| | * 55c703f (origin/IGI_LR4, IGI_LR4) Del LR1
| | * 9ed6ff2 LR4
| |/
|/|
| | * 1681cc6 (origin/IGI_LR3, IGI_LR3) Del LR1
| | * 4a5494c LR3
| |/
|/|
| | * 27ec340 (origin/IGI_LR2, IGI_LR2) Del LR1
| | * 9f11ee1 lr2
| | * 1189b1d lr2
| |/
|/|
* | 8ddcfac IGI
|/
| * e16964a (origin/STRWEB_LR4, STRWEB_LR4) LR4
| | * f2524e9 (origin/STRWEB_LR3, STRWEB_LR3) LR3
| |/
| | * b9c031d (origin/STRWEB_LR2, STRWEB_LR2) LR2
| |/
| | * 0a74b01 (origin/STRWEB_LR1, STRWEB_LR1) LR1
| |/
| * da8a701 (origin/STRWEB, STRWEB) STRWEB
|/
* 633966c README
```

g

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b 1
Switched to a new branch '1'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .
warning: in the working copy of 'log', LF will be replaced by CRLF the next time Git touches it

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git status
On branch 1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   cd
        new file:   log


D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Init"
[1 3d663cd] Init
 2 files changed, 70 insertions(+)
 create mode 100644 cd
 create mode 100644 log

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push origin
fatal: The current branch 1 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin 1

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.


D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push -all origin
error: did you mean `--all` (with two dashes)?

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push --all origin
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 972 bytes | 486.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for '1' on GitHub by visiting:
remote:      https://github.com/Dzmitry-Leushukou/353504_IGI_35350074/pull/new/1
remote:
To https://github.com/Dzmitry-Leushukou/353504_IGI_35350074
 * [new branch]      1 -> 1

D:\Programming\BSUIR\353504_LEVSHUKOV_16>dir
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf ./
rm 'IGI/LR1/README.md'
rm 'IGI/LR1/bin/bar/readme.txt'
rm 'IGI/LR1/com.txt'
rm 'IGI/LR1/f1.txt'
rm 'IGI/LR1/f2.txt'
rm 'IGI/LR1/foo/test.txt'
rm 'IGI/LR1/geometric_lib'
rm 'IGI/LR2/README.md'
rm 'IGI/LR3/README.md'
rm 'IGI/LR4/README.md'
rm 'IGI/LR5/README.md'
rm 'README.md'
rm 'STRWEB/LR1/README.md'
rm 'STRWEB/LR2/README.md'
rm 'STRWEB/LR3/README.md'
rm 'STRWEB/LR4/README.md'
rm 'cd'
rm 'log'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Clear"
[1 409300b] Clear
 18 files changed, 77 deletions(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 100644 IGI/LR1/bin/bar/readme.txt
 delete mode 100644 IGI/LR1/com.txt
 delete mode 100644 IGI/LR1/f1.txt
 delete mode 100644 IGI/LR1/f2.txt
 delete mode 100644 IGI/LR1/foo/test.txt
 delete mode 160000 IGI/LR1/geometric_lib
 delete mode 100644 IGI/LR2/README.md
 delete mode 100644 IGI/LR3/README.md
 delete mode 100644 IGI/LR4/README.md
 delete mode 100644 IGI/LR5/README.md
 delete mode 100644 README.md
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR3/README.md
 delete mode 100644 STRWEB/LR4/README.md
 delete mode 100644 cd
 delete mode 100644 log
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout main
Switched to branch 'main'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout 1
Switched to branch '1'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout main -- D:\Programming\BSUIR\353504_LEVSHUKOV_16\I
GI\LR1\foo\test.txt D:\Programming\BSUIR\353504_LEVSHUKOV_16\IGI\LR1\f1.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git status
On branch 1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IGI/LR1/f1.txt
        new file:   IGI/LR1/foo/test.txt


D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "Added 2 files"
[1 d8d03ce] Added 2 files
 2 files changed, 2 insertions(+)
 create mode 100644 IGI/LR1/f1.txt
 create mode 100644 IGI/LR1/foo/test.txt
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf IGI/LR1/foo/test.txt
rm 'IGI/LR1/foo/test.txt'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git status
On branch 1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    IGI/LR1/foo/test.txt


D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "delete"
[1 d139e33] delete
 1 file changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/foo/test.txt
```

h

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout -b 2
Switched to a new branch '2'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "init"
On branch 2
nothing to commit, working tree clean

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git add .

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "init"
On branch 2
nothing to commit, working tree clean

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git rm -rf .\
rm 'IGI/LR1/f1.txt'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "init"
[2 446b16d] init
 1 file changed, 1 deletion(-)
 delete mode 100644 IGI/LR1/f1.txt
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git commit -m "added 2 files"
[2 afa9e79] added 2 files
 2 files changed, 2 insertions(+)
 create mode 100644 IGI/LR1/f1.txt
 create mode 100644 IGI/LR1/foo/test.txt

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push origin 2
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (8/8), 578 bytes | 578.00 KiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for '2' on GitHub by visiting:
remote:      https://github.com/Dzmitry-Leushukou/353504_IGI_35350074/pull/new/2
remote:
To https://github.com/Dzmitry-Leushukou/353504_IGI_35350074
 * [new branch]      2 -> 2
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git checkout main
Switched to branch 'main'

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git merge 2
Updating c09cb5c..afa9e79
Fast-forward
 IGI/LR1/README.md            | 0
 IGI/LR1/bin/bar/readme.txt   | 1 -
 IGI/LR1/com.txt              | 1 -
 IGI/LR1/f2.txt               | 1 -
 IGI/LR1/geometric_lib        | 1 -
 IGI/LR2/README.md            | 0
 IGI/LR3/README.md            | 0
 IGI/LR4/README.md            | 0
 IGI/LR5/README.md            | 0
 README.md                    | 1 -
 STRWEB/LR1/README.md         | 0
 STRWEB/LR2/README.md         | 0
 STRWEB/LR3/README.md         | 0
 STRWEB/LR4/README.md         | 0
 14 files changed, 5 deletions(-)
 delete mode 100644 IGI/LR1/README.md
 delete mode 100644 IGI/LR1/bin/bar/readme.txt
 delete mode 100644 IGI/LR1/com.txt
 delete mode 100644 IGI/LR1/f2.txt
 delete mode 160000 IGI/LR1/geometric_lib
 delete mode 100644 IGI/LR2/README.md
 delete mode 100644 IGI/LR3/README.md
 delete mode 100644 IGI/LR4/README.md
 delete mode 100644 IGI/LR5/README.md
 delete mode 100644 README.md
 delete mode 100644 STRWEB/LR1/README.md
 delete mode 100644 STRWEB/LR2/README.md
 delete mode 100644 STRWEB/LR3/README.md
 delete mode 100644 STRWEB/LR4/README.md

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push origin main
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Dzmitry-Leushukou/353504_IGI_35350074
   c09cb5c..afa9e79  main -> main
```

```
D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push origin --delete 2
To https://github.com/Dzmitry-Leushukou/353504_IGI_35350074
 - [deleted]         2

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch -d 2
Deleted branch 2 (was afa9e79).

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git fetch origin

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git branch
  1
  IGI
  IGI_LR1
  IGI_LR2
  IGI_LR3
  IGI_LR4
  IGI_LR5
  STRWEB
  STRWEB_LR1
  STRWEB_LR2
  STRWEB_LR3
  STRWEB_LR4
* main

D:\Programming\BSUIR\353504_LEVSHUKOV_16>git push origin --all
Everything up-to-date

D:\Programming\BSUIR\353504_LEVSHUKOV_16>
```