

## МИНОБРНАУКИ РОССИИ

## федеральное государственное бюджетное образовательное учреждение высшего образования

## «Московский государственный технологический университет «СТАНКИН» (ФГБОУ ВО «МГТУ «СТАНКИН»)

(PIDOV DO MINITO METAMINAMIA)

Институт цифровых интеллектуальных систем Кафедра компьютерных систем управления

Образовательная программа 15.03.04 «Автоматизация технологических процессов и производств»

## Дисциплина «Основы системного программного обеспечения»

Лабораторная работа №1

«Работа с системами контроля версий на примере Git Hub»

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Принял: Преподаватель	 Ковалев И.А.

Москва 2024

```
съ. Командная строка
Microsoft Windows [Version 10.0.19045.4291]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.
C:\Users\User>cd C:\GSIIO\Loria
C:\GSIIO\Loria>git config --global user.name Rontata
C:\GSIIO\Loria>git config --global user.email irkonlor@gmail.com
C:\GSIIO\Loria>git init
Initialized empty Git repository in C:/GSIIO/Loria/.git/
C:\GSIIO\Loria>git status
On branch master
No commits yet
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\Loria>git add test.txt
C:\GSIIO\Loria>git status
On branch master
No commits yet
Changes to be committed:
 (use "git rm --cached <file>..." to unstage)
C:\GSIIO\Loria>git commit -m first commit
error: pathspec 'commit' did not match any file(s) known to git
C:\GSIIO\Loria>git commit -m "first commit"
[master (root-commit) 138a14e] first commit
  1 file changed, 1 insertion(+)
create mode 100644 test.txt
C:\GSIIO\Loria>git remote add origin https://github.com/Rontata/Lr1
C:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>git remote -v
origin https://github.com/Rontata/Lr1 (fetch)
origin https://github.com/Rontata/Lr1 (push)
```

```
origin https://github.com/Rontata/Lr1 (push)
C:\GSIIO\Loria>git pull origin master
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 
Unpacking objects: 100% (3/3), 859 bytes | 95.00 KiB/s, done. 
iFrom https://github.com/Rontata/Lr1
                      master -> FETCH_HEAD
master -> origin/master
 * branch
 * [new branch]
fatal: refusing to merge unrelated histories
C:\GSIIO\Loria>git push origin master
info: please complete authentication in your browser...
To https://github.com/Rontata/Lr1
                          master -> master (non-fast-forward)
hint: Updates were rejected because the tip of your current branch is behind hint: its remote counterpart. Integrate the remote changes (e.g. hint: 'git pull ...') before pushing again. hint: See the 'Note about fast-forwards' in 'git push --help' for details.
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
 * branch
                     master -> FETCH_HEAD
fatal: refusing to merge unrelated histories
C:\GSIIO\Loria>git pull --allow-unrelated-histories
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.
     git pull <remote> <branch>
If you wish to set tracking information for this branch you can do so with:
     git branch --set-upstream-to-origin/<branch> master
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
                  master -> FETCH_HEAD
 * branch
fatal: refusing to merge unrelated histories
C:\GSIIO\Loria>git add .
C:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>git remote -v
origin https://github.com/Rontata/Lr1 (fetch)
origin https://github.com/Rontata/Lr1 (push)
```

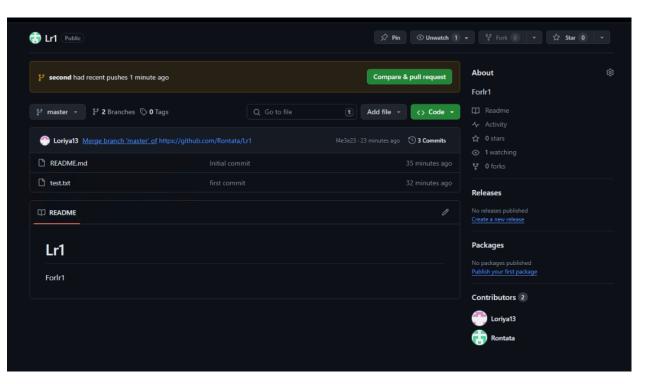
```
:\GSIIO\Loria>git pull origin master
rom https://github.com/Rontata/Lr1
* branch
                     master -> FETCH HEAD
fatal: refusing to merge unrelated histories
C:\GSIIO\Loria>git add .
:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>git remote -v
origin https://github.com/Rontata/Lr1 (fetch)
origin https://github.com/Rontata/Lr1 (push)
C:\GSIIO\Loria>git pull origin master --allow-unrelated-histories
rom https://github.com/Rontata/Lr1
                    master -> FETCH_HEAD
* branch
Merge made by the 'ort' strategy.
README.md | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 README.md
:\GSIIO\Loria>git remote -v
origin https://github.com/Rontata/Lr1 (fetch)
origin https://github.com/Rontata/Lr1 (push)
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
* branch
                     master
                                -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 504 bytes | 504.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Rontata/Lr1
  6d2a87d..f4e3e23 master -> master
:\GSIIO\Loria>_
```

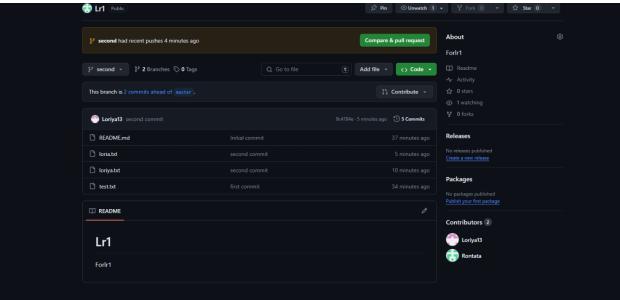
```
C:\GSIIO\Loria>git log
commit f4e3e23145bd5f0328990497e2690dc2d41ebc36 (HEAD -> master, origin/master)
Merge: 138a14e 6d2a87d
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:07:12 2024 +0300
    Merge branch 'master' of https://github.com/Rontata/Lr1
 commit 138a14e6dbbada723fb6deb64ccf5a0cf656061e
Author: Rontata <irkonlor@gmail.com>
Date: Sun May 12 23:58:18 2024 +0300
    first commit
commit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
Date: Sun May 12 23:55:23 2024 +0300
    Initial commit
C:\GSIIO\Loria>git branch second
C:\GSIIO\Loria>git branch
  second
C:\GSIIO\Loria>git checkout second
Switched to branch 'second'
C:\GSIIO\Loria>
```

```
C:\GSIIO\Loria>git log
 commit f4e3e23145bd5f0328990497e2690dc2d41ebc36 (HEAD -> master, origin/master)
Merge: 138a14e 6d2a87d
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:07:12 2024 +0300
    Merge branch 'master' of https://github.com/Rontata/Lr1
commit 138a14e6dbbada723fb6deb64ccf5a0cf656061e
Author: Rontata <irkonlor@gmail.com>
Date: Sun May 12 23:58:18 2024 +0300
    first commit
 ommit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
Date:
       Sun May 12 23:55:23 2024 +0300
    Initial commit
C:\GSIIO\Loria>git branch second
C:\GSIIO\Loria>git branch
  second
C:\GSIIO\Loria>git checkout second
Switched to branch 'second'
C:\GSIIO\Loria>git status
 n branch second
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\Loria>git add loriya.txt
C:\GSIIO\Loria>git commit -m "second commit"
[second b6418a4] second commit
1 file changed, 1 insertion(+)
create mode 100644 loriya.txt
C:\GSIIO\Loria>git status
On branch second
nothing to commit, working tree clean
C:\GSIIO\Loria>git pull origin second
fatal: couldn't find remote ref second
C:\GSIIO\Loria>git push origin second
```

```
C:\GSIIO\Loria>git pull origin second
fatal: couldn't find remote ref second
C:\GSIIO\Loria>git push origin second
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 313.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'second' on GitHub by visiting:
            https://github.com/Rontata/Lr1/pull/new/second
remote:
remote:
To https://github.com/Rontata/Lr1
* [new branch]
                      second -> second
C:\GSIIO\Loria>git status
On branch second
nothing to commit, working tree clean
C:\GSIIO\Loria>git status
On branch second
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\Loria>git add loria.txt
C:\GSIIO\Loria>git status
On branch second
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
  new file: loria.txt
C:\GSIIO\Loria>git commit -m "second commit"
[second 9c4784e] second commit
1 file changed, 1 insertion(+)
create mode 100644 loria.txt
C:\GSIIO\Loria>git pull origin second
From https://github.com/Rontata/Lr1
* branch
                    second
                               -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git push origin second
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
```

```
C:\GSIIO\Loria>git push origin second
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Rontata/Lr1
   b6418a4..9c4784e second -> second
C:\GSIIO\Loria>git log
commit 9c4784ed134d71c93279eb1848af0a56fdbb3b3a (HEAD -> second, origin/second)
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:27:09 2024 +0300
    second commit
commit b6418a4a9967fbc3c9c2ae71ea81e24c74439c80
Author: Rontata <irkonlor@gmail.com>
.Date: Mon May 13 00:21:36 2024 +0300
    second commit
commit f4e3e23145bd5f0328990497e2690dc2d41ebc36 (origin/master, master)
Merge: 138a14e 6d2a87d
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:07:12 2024 +0300
    Merge branch 'master' of https://github.com/Rontata/Lr1
commit 138a14e6dbbada723fb6deb64ccf5a0cf656061e
Author: Rontata <irkonlor@gmail.com>
Date: Sun May 12 23:58:18 2024 +0300
    first commit
commit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
Date: Sun May 12 23:55:23 2024 +0300
    Initial commit
C:\GSIIO\Loria>_
```





```
mit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
Date: Sun May 12 23:55:23 2024 +0300
   Initial commit
C:\GSIIO\Loria>git branch second
C:\GSIIO\Loria>git branch
 second
C:\GSIIO\Loria>git checkout second
Switched to branch 'second'
C:\GSIIO\Loria>git status
On branch second
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\Loria>git add loriya.txt
C:\GSIIO\Loria>git commit -m "second commit"
[second b6418a4] second commit
1 file changed, 1 insertion(+)
create mode 100644 loriya.txt
C:\GSIIO\Loria>git status
On branch second
nothing to commit, working tree clean
C:\GSIIO\Loria>git pull origin second
fatal: couldn't find remote ref second
C:\GSIIO\Loria>git push origin second
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 313.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'second' on GitHub by visiting:
             https://github.com/Rontata/Lr1/pull/new/second
remote:
remote:
o https://github.com/Rontata/Lr1
* [new branch]
                     second -> second
:\GSIIO\Loria>git status
```

```
o https://github.com/Rontata/Lr1
 [new branch]
                      second -> second
:\GSIIO\Loria>git status
n branch second
othing to commit, working tree clean
:\GSIIO\Loria>git status
On branch second
Untracked files:
 (use "git add <file>..." to include in what will be committed)
othing added to commit but untracked files present (use "git add" to track)
:\GSIIO\Loria>git add loria.txt
:\GSIIO\Loria>git status
n branch second
hanges to be committed:
 (use "git restore --staged <file>..." to unstage)
    new file: loria.txt
:\GSIIO\Loria>git commit -m "second commit"
second 9c4784e] second commit
1 file changed, 1 insertion(+)
create mode 100644 loria.txt
:\GSIIO\Loria>git pull origin second
rom https://github.com/Rontata/Lr1
* branch
                     second
                                -> FETCH HEAD
lready up to date.
:\GSIIO\Loria>git push origin second
numerating objects: 4, done.
Counting objects: 100% (4/4), done.
elta compression using up to 6 threads
Compressing objects: 100% (2/2), done.

#riting objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
otal 3 (delta 0), reused 0 (delta 0), pack-reused 0
o https://github.com/Rontata/Lr1
  b6418a4..9c4784e second -> second
:\GSIIO\Loria>git log
ommit 9c4784ed134d71c93279eb1848af0a56fdbb3b3a (HEAD -> second, origin/second)
uthor: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:27:09 2024 +0300
   second commit
ommit b6418a4a9967fbc3c9c2ae71ea81e24c74439c80
```

```
commit b6418a4a9967fbc3c9c2ae71ea81e24c74439c80
Author: Rontata <irkonlor@gmail.com>
       Mon May 13 00:21:36 2024 +0300
Date:
    second commit
commit f4e3e23145bd5f0328990497e2690dc2d41ebc36 (origin/master, master)
Merge: 138a14e 6d2a87d
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:07:12 2024 +0300
    Merge branch 'master' of https://github.com/Rontata/Lr1
commit 138a14e6dbbada723fb6deb64ccf5a0cf656061e
Author: Rontata <irkonlor@gmail.com>
Date: Sun May 12 23:58:18 2024 +0300
    first commit
commit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
Date: Sun May 12 23:55:23 2024 +0300
    Initial commit
C:\GSIIO\Loria>git merge second
Already up to date.
C:\GSIIO\Loria>git branch -d second
error: Cannot delete branch 'second' checked out at 'C:/GSIIO/Loria'
C:\GSIIO\Loria>git branch -d second
error: Cannot delete branch 'second' checked out at 'C:/GSIIO/Loria'
C:\GSIIO\Loria>git branch
 master
C:\GSIIO\Loria>git branch master
fatal: a branch named 'master' already exists
C:\GSIIO\Loria>git branch
 master
C:\GSIIO\Loria>git chekout master
git: 'chekout' is not a git command. See 'git --help'.
The most similar command is
        checkout
```

C:\GSIIO\Loria>git branch

```
C:\GSIIO\Loria>git chekout master
git: 'chekout' is not a git command. See 'git --help'.
The most similar command is
        checkout
C:\GSIIO\Loria>git branch
 master
C:\GSIIO\Loria>git checkout master
Switched to branch 'master'
C:\GSIIO\Loria>git branch
 second
C:\GSIIO\Loria>git branch -d second
error: The branch 'second' is not fully merged.
If you are sure you want to delete it, run 'git branch -D second'.
C:\GSIIO\Loria>git branch second
fatal: a branch named 'second' already exists
C:\GSIIO\Loria>git checkout second
Switched to branch 'second'
C:\GSIIO\Loria>git checkout master
Switched to branch 'master'
C:\GSIIO\Loria>git merge second
Updating f4e3e23..9c4784e
Fast-forward
 loria.txt | 1 +
loriya.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 loria.txt
 create mode 100644 loriya.txt
C:\GSIIO\Loria>git branch -d second
Deleted branch second (was 9c4784e).
C:\GSIIO\Loria>_
```

```
create mode 100644 loria.txt
 create mode 100644 loriya.txt
C:\GSIIO\Loria>git branch -d second
Deleted branch second (was 9c4784e).
C:\GSIIO\Loria>git branch newdev
C:\GSIIO\Loria>git checkout newdev
Switched to branch 'newdey'
C:\GSIIO\Loria>git add loria.txt
C:\GSIIO\Loria>git commit -m "first commit"
[newdev 329e7f0] first commit
  1 file changed, 1 insertion(+), 1 deletion(-)
C:\GSIIO\Loria>git commit -m "first commit"
On branch newdev
nothing to commit, working tree clean
C:\GSIIO\Loria>git commit -m "tri commit"
On branch newdev
nothing to commit, working tree clean
C:\GSIIO\Loria>git checkout master
Switched to branch 'master'
C:\GSIIO\Loria>git merge newdev
Updating 9c4784e..329e7f0
Fast-forward
 loria.txt | 2 +
 1 file changed, 1 insertion(+), 1 deletion(-)
C:\GSIIO\Loria>git checkout newdev
Switched to branch 'newdev'
C:\GSIIO\Loria>git add loria.
fatal: pathspec 'loria.' did not match any files
C:\GSIIO\Loria>git add loria.txt
C:\GSIIO\Loria>git commit -m "tri commit"
[newdev 4804fac] tri commit
  1 file changed, 1 insertion(+), 1 deletion(-)
C:\GSIIO\Loria>git checkout master
Switched to branch 'master'
C:\GSIIO\Loria>git merge newdev
error: Your local changes to the following files would be overwritten by merge:
         loria.txt
Please commit your changes or stash them before you merge.
```

```
Please commit your changes or stash them before you merge.
Aborting
Updating 329e7f0..4804fac
C:\GSIIO\Loria>git checkout newdev
error: Your local changes to the following files would be overwritten by checkout:
        loria.txt
Please commit your changes or stash them before you switch branches.
Aborting
C:\GSIIO\Loria>git checkout master
Already on 'master
        loria.txt
C:\GSIIO\Loria>git diff
diff --git a/loria.txt b/loria.txt
index 27d07e1..8f216cf 100644
 --- a/loria.txt
+++ b/loria.txt
@@ -1 +1 @@
\ No newline at end of file
\ No newline at end of file
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
 * branch
                      master -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git commit -m "test"
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)
no changes added to commit (use "git add" and/or "git commit -a")
C:\GSIIO\Loria>git add .
C:\GSIIO\Loria>git commit -m "test"
[master 95c8e30] test
1 file changed, 1 insertion(+), 1 deletion(-)
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
 * branch
                      master -> FETCH_HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 8, done.
```

```
C:\GSIIO\Loria>git push origin master
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 6 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 495 bytes | 495.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/Rontata/Lr1
   f4e3e23..95c8e30 master -> master
C:\GSIIO\Loria>git branch -d newdev error: The branch 'newdev' is not fully merged.
If you are sure you want to delete it, run 'git branch -D newdev'.
C:\GSIIO\Loria>git merge newdev
Auto-merging loria.txt
CONFLICT (content): Merge conflict in loria.txt
Automatic merge failed; fix conflicts and then commit the result.
C:\GSIIO\Loria>git diff
diff --cc loria.txt
index 8f216cf,254f115..0000000
--- a/loria.txt
+++ b/loria.txt
@@@ -1,1 -1,1 +1,5 @@@
C:\GSIIO\Loria>git add loria.txt
C:\GSIIO\Loria>git commit -m "test"
[master 346d41e] test
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
 * branch
                        master
                                    -> FETCH_HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 6 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 538 bytes | 538.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/Rontata/Lr1
```

```
@@@ -1,1 -1,1 +1,5 @@@
C:\GSIIO\Loria>git add loria.txt
C:\GSIIO\Loria>git commit -m "test"
[master 346d41e] test
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
* branch
                        master -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 6 threads

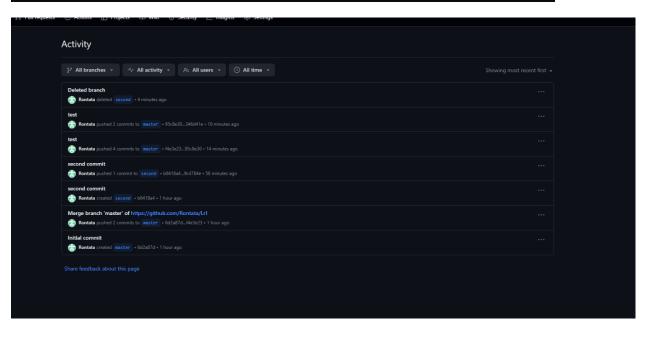
Compressing objects: 100% (4/4), done.

Writing objects: 100% (6/6), 538 bytes | 538.00 KiB/s, done.

Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/Rontata/Lr1
    95c8e30..346d41e master -> master
C:\GSIIO\Loria>git branch -d newdev
Deleted branch newdev (was 4804fac).
C:\GSIIO\Loria>_
```

```
C:\GSIIO\Loria>git branch -d newdev
Deleted branch newdev (was 4804fac).
C:\GSIIO\Loria>git push origin --delete newdev
error: unable to delete 'newdev': remote ref does not exist
C:\GSIIO\Loria>git push origin --delete second
To https://github.com/Rontata/Lr1
[deleted]
                     second
C:\GSIIO\Loria>
C:\GSIIO\Loria>git log
commit 346d41e874d70f0346c2d1b1fa639ef9aae90b52 (HEAD -> master, origin/master)
Merge: 95c8e30 4804fac
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 01:15:26 2024 +0300
    test
commit 95c8e309ad93ca6cf1e5583a100c7b9fd4e381f3
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 01:10:45 2024 +0300
    test
commit 4804facad1139a0259599e64eaeffb2d70f4da23
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 01:03:46 2024 +0300
    tri commit
commit 329e7f01dea774dc386ab073df0d3c8cb2a8b2fd
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:55:15 2024 +0300
    first commit
commit 9c4784ed134d71c93279eb1848af0a56fdbb3b3a
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:27:09 2024 +0300
    second commit
commit b6418a4a9967fbc3c9c2ae71ea81e24c74439c80
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:21:36 2024 +0300
    second commit
 ommit f4e3e23145bd5f0328990497e2690dc2d41ebc36
```

```
Mon May 13 00:55:15 2024 +0300
    first commit
commit 9c4784ed134d71c93279eb1848af0a56fdbb3b3a
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:27:09 2024 +0300
    second commit
commit b6418a4a9967fbc3c9c2ae71ea81e24c74439c80
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:21:36 2024 +0300
    second commit
commit f4e3e23145bd5f0328990497e2690dc2d41ebc36
Merge: 138a14e 6d2a87d
Author: Rontata <irkonlor@gmail.com>
Date: Mon May 13 00:07:12 2024 +0300
    Merge branch 'master' of https://github.com/Rontata/Lr1
commit 138a14e6dbbada723fb6deb64ccf5a0cf656061e
Author: Rontata <irkonlor@gmail.com>
Date: Sun May 12 23:58:18 2024 +0300
    first commit
commit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
 н
```



```
commit 6d2a87deedb1f85707db18e6992c59c081f0362a
Author: Rontata <135456033+Rontata@users.noreply.github.com>
        Sun May 12 23:55:23 2024 +0300
*Date:
    Initial commit
C:\GSIIO\Loria>
C:\GSIIO\Loria>git checkout 4804facad
Note: switching to '4804facad'.
You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.
If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:
  git switch -c <new-branch-name>
Or undo this operation with:
  git switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 4804fac tri commit
Tc:\GSIIO\Loria>git reset --hard HEAD
HEAD is now at 4804fac tri commit
C:\GSIIO\Loria>git checkout master
Previous HEAD position was 4804fac tri commit
Switched to branch 'master'
C:\GSIIO\Loria>_
 If you want to create a new branch to retain commits you create, you m
  do so (now or later) by using -c with the switch command. Example:
    git switch -c <new-branch-name>
  Or undo this operation with:
   git switch -
  Turn off this advice by setting config variable advice.detachedHead to
  HEAD is now at 4804fac tri commit
 Tc:\GSIIO\Loria>git reset --hard HEAD
  HEAD is now at 4804fac tri commit
```

C:\GSIIO\Loria>\_

```
Or undo this operation with:
   git switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 4804fac tri commit
C:\GSIIO\Loria>git reset --hard HEAD
HEAD is now at 4804fac tri commit
C:\GSIIO\Loria>git checkout master
Previous HEAD position was 4804fac tri commit
Switched to branch 'master
C:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>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)
no changes added to commit (use "git add" and/or "git commit -a")
C:\GSIIO\Loria>git add .
C:\GSIIO\Loria>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
modified; loria.txt
C:\GSIIO\Loria>git reset HEAD
Unstaged changes after reset:
          loria.txt
C:\GSIIO\Loria>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)
no changes added to commit (use "git add" and/or "git commit -a")
C:\GSIIO\Loria>git add .
```

```
(use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
C:\GSIIO\Loria>git add .
C:\GSIIO\Loria>git commit -m "reset HEAD"
[master 8028c0f] reset HEAD
1 file changed, 1 insertion(+)
C:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>git reset HEAD
C:\GSIIO\Loria>git status
On branch master
nothing to commit, working tree clean
C:\GSIIO\Loria>git add .
C:\GSIIO\Loria>git status
On branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
C:\GSIIO\Loria>git commit -m ".GITIGNORE"
[master a5fe51d] .GITIGNORE
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 .gitignore
C:\GSIIO\Loria>git pull origin master
From https://github.com/Rontata/Lr1
* branch
                      master
                                 -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 6 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 568 bytes | 568.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Rontata/Lr1
   346d41e..a5fe51d master -> master
C:\GSIIO\Loria>
```

```
:\GSIIO\Loria>git status
n branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
::\GSIIO\Loria>git commit -m ".GITIGNORE"
[master a5fe51d] .GITIGNORE
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 .gitignore
C:\GSIIO\Loria>git pull origin master
rom https://github.com/Rontata/Lr1
* branch
                     master -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria>git push origin master
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 6 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 568 bytes | 568.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Rontata/Lr1
  346d41e..a5fe51d master -> master
C:\GSIIO\Loria>git remote add origin https://github.com/Loriya13/lr1
error: remote origin already exists.
C:\GSIIO\Loria>git remote add origin https://github.com/Loriya13/lr1.git
error: remote origin already exists.
C:\GSIIO\Loria>git remote add origin https://github.com/Loriya13/Lr1-1.git
error: remote origin already exists.
C:\GSIIO\Loria>git remote add origin https://github.com/Rontata/Lr1
error: remote origin already exists.
C:\GSIIO\Loria>git clone https://github.com/Loriya13/Lr1-1
Cloning into 'Lr1-1'...
remote: Enumerating objects: 35, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 35 (delta 10), reused 23 (delta 4), pack-reused 0
Receiving objects: 100% (35/35), done.
Resolving deltas: 100% (10/10), done.
C:\GSIIO\Loria>cd lr1_1
Системе не удается найти указанный путь.
```

```
To https://github.com/Loriya13/Lr1-1
       ote rejected] master -> master (permission denied)
C:\GSIIO\Loria\Lr1-1>git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
 (use "git push" to publish your local commits)
nothing to commit, working tree clean
C:\GSIIO\Loria\Lr1-1>git branch second
C:\GSIIO\Loria\Lr1-1>git checkout second
Switched to branch 'second'
C:\GSIIO\Loria\Lr1-1>git status
On branch second
nothing to commit, working tree clean
C:\GSIIO\Loria\Lr1-1>git status
n branch second
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\Loria\Lr1-1>git add .
C:\GSIIO\Loria\Lr1-1>git commit -m "coloboration"
[second f6ed17a] coloboration
1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 colab.txt
C:\GSIIO\Loria\Lr1-1>git pull origin master
From https://github.com/Loriya13/Lr1-1
* branch
                      master
                                -> FETCH HEAD
Already up to date.
C:\GSIIO\Loria\Lr1-1>git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 278 bytes | 278.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
```

```
C:\GSIIO\irina>git checkout master
Switched to branch 'master'
C:\GSIIO\irina>git branch coloboration
C:\GSIIO\irina>git branch
coloboration
* master
```

```
C:\GSIIO\irina>git branch -d proba
Deleted branch proba (was 0c02d2b).
C:\GSIIO\irina>git branch
 coloboration
  master
C:\GSIIO\irina>git status
On branch coloboration
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
C:\GSIIO\irina>git add collab.txt
C:\GSIIO\irina>git status
On branch coloboration
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
  new file: collab.txt
C:\GSIIO\irina>git commit -m "collabtrenner"
[coloboration a5ea4a0] collabtrenner
 1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 collab.txt
```

```
C:\GSIIO\irina>git push origin coloboration
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 236 bytes | 236.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'coloboration' on GitHub by visiting:
remote: https://github.com/Loriya13/Lr1-1/pull/new/coloboration
remote:
To https://github.com/Loriya13/Lr1-1.git
* [new branch] coloboration -> coloboration
```

