

```
vlad@vlad:~/programming/lab9$ git add README.md
vlad@vlad:~/programming/lab9$ 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)
    new file: README.md

vlad@vlad:~/programming/lab9$ ls
README.md
vlad@vlad:~/programming/lab9$ git log
commit 3e34e4aa2856096cd65c101d7a8131022c836b54 (HEAD -> main, origin/main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

  first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700
vlad@vlad:~/programming/lab9$ touch sort.c
vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ 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)
    new file: README.md
    new file: sort.c

vlad@vlad:~/programming/lab9$ █
vlad@vlad:~/programming/lab9$ cd ..
vlad@vlad:~/programming$ ls
lab9 README.md
vlad@vlad:~/programming$ ls -la
total 20
drwxrwxr-x  4 vlad vlad 4096 Nov 20 14:59 .
drwxr-x--- 25 vlad vlad 4096 Nov 20 15:03 ..
drwxrwxr-x  8 vlad vlad 4096 Nov 20 14:56 .git
drwxrwxr-x  2 vlad vlad 4096 Nov 20 14:59 lab9
-rw-rw-r--  1 vlad vlad   28 Nov 20 14:07 README.md
vlad@vlad:~/programming$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:  lab9/README.md
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        deleted: README.md
        deleted: sort.c

no changes added to commit (use "git add" and/or "git commit -a")
vlad@vlad:~/programming/lab9$ git add README.md
vlad@vlad:~/programming/lab9$ 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)
    deleted: README.md

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: sort.c

vlad@vlad:~/programming/lab9$ git restore sort.c
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted: README.md

vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ 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)
    deleted: README.md

vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
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: sort.c

vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ 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)
    deleted: README.md
    modified: sort.c

vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ git status
^L
```

```
deleted: README.md
modified: sort.c

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: sort.c

vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ git commit -m "add sort.c, delete readme"
[main 782e84d] add sort.c, delete readme
 2 files changed, 1 insertion(+)
 delete mode 100644 lab9/README.md
vlad@vlad:~/programming/lab9$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

...  
add sort.c, delete readme

commit 42be7b107bb6c4cf5a3626367bef0cf98323c16a (origin/main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:55:04 2025 +0700

  Add file: sort.c

commit 3e34e4aa2856096cd65c101d7a8131022c836b54
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

  first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700

...  
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
vlad@vlad:~/programming/lab9$ git push
Username for 'https://github.com': Novi4ek2156
Password for 'https://Novi4ek2156@github.com':
vlad@vlad:~/programming/lab9$ ^[[200~git config --global credential.helper
~^C
vlad@vlad:~/programming/lab9$ git config --global credential.helper
vlad@vlad:~/programming/lab9$ git push
Username for 'https://github.com': Novi4ek2156
Password for 'https://Novi4ek2156@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 367 bytes | 367.00 KiB/s, done.
```

```
● vlad@vlad:~/programming/lab9$ git log
commit 782e84d30a117922fa54e447b74ble4af714bbel (HEAD -> main,
origin/main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 15:34:52 2025 +0700

    add sort.c, delete readme

commit 42be7b107bb6c4cf5a3626367bef0cf98323c16a
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:55:04 2025 +0700

    Add file: sort.c

commit 3e34e4aa2856096cd65c101d7a8131022c836b54
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

    first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700

    first commit
● vlad@vlad:~/programming/lab9$ git branch mybranch
● vlad@vlad:~/programming/lab9$ git branch
* main
  mybranch
● vlad@vlad:~/programming/lab9$ git switch mybranch
Switched to branch 'mybranch'
● vlad@vlad:~/programming/lab9$ git status
On branch mybranch
nothing to commit, working tree clean
● vlad@vlad:~/programming/lab9$ git branch
  main
* mybranch
● vlad@vlad:~/programming/lab9$ touch file1.txt
● vlad@vlad:~/programming/lab9$ touch vlad.txt
● vlad@vlad:~/programming/lab9$ git add file1.txt
● vlad@vlad:~/programming/lab9$ git add vlad.txt
● vlad@vlad:~/programming/lab9$ git commit -m "Добавил два файла"
[mybranch 78a4d25] Добавил два файла
  2 files changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 lab9/file1.txt
```

```
create mode 100644 lab9/file1.txt
create mode 100644 lab9/vlad.txt
• vlad@vlad:~/programming/lab9$ git status
On branch mybranch
nothing to commit, working tree clean
• vlad@vlad:~/programming/lab9$ git log
commit 78a4d258d4fa018c82c75b39281c1abb9077def6 (HEAD -> mybranch)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Wed Nov 26 13:32:24 2025 +0700

Добавил два файла

commit 782e84d30a117922fa54e447b74b1e4af714bbe1 (origin/main, main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 15:34:52 2025 +0700

add sort.c, delete readme

commit 42be7b107bb6c4cf5a3626367bef0cf98323c16a
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:55:04 2025 +0700

Add file: sort.c

commit 3e34e4aa2856096cd65c101d7a8131022c836b54
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700

first commit
• vlad@vlad:~/programming/lab9$ git log --online --graph
fatal: unrecognized argument: --online
• vlad@vlad:~/programming/lab9$ git log --oneline --graph
* 78a4d25 (HEAD -> mybranch) Добавил два файла
* 782e84d (origin/main, main) add sort.c, delete readme
* 42be7b1 Add file: sort.c
* 3e34e4a first commit
* 7c1592b first commit
```

```
● vlad@vlad:~/programming/lab9$ git checkout mybranch
Switched to branch 'mybranch'
● vlad@vlad:~/programming/lab9$ git log
commit 78a4d258d4fa018c82c75b39281c1abb9077def6 (HEAD -> mybranch)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Wed Nov 26 13:32:24 2025 +0700

    Добавил два файла

commit 782e84d30a117922fa54e447b74ble4af714bbe1 (origin/main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 15:34:52 2025 +0700

    add sort.c, delete readme

commit 42be7b107bb6c4cf5a3626367bef0cf98323c16a
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:55:04 2025 +0700

    Add file: sort.c

commit 3e34e4aa2856096cd65c101d7a8131022c836b54
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

    first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700

    first commit
● vlad@vlad:~/programming/lab9$ git status
On branch mybranch
nothing to commit, working tree clean
● vlad@vlad:~/programming/lab9$ git diff mybranch main
diff --git a/lab9/file1.txt b/lab9/file2.txt
similarity index 100%
rename from lab9/file1.txt
rename to lab9/file2.txt
diff --git a/lab9/vlad.txt b/lab9/vlad.txt
deleted file mode 100644
index e69de29..0000000
○ vlad@vlad:~/programming/lab9$
```

```
* 7c1592b first commit
❶ vlad@vlad:~/programming/lab9$ git brach master
git: 'brach' is not a git command. See 'git --help'.

The most similar command is
  branch
❷ vlad@vlad:~/programming/lab9$ get switch master
Command 'get' not found, but there are 18 similar ones.
❸ vlad@vlad:~/programming/lab9$ git switch master
fatal: invalid reference: master
❹ vlad@vlad:~/programming/lab9$ git brach
git: 'brach' is not a git command. See 'git --help'.

The most similar command is
  branch
❺ vlad@vlad:~/programming/lab9$ git branch
  main
* mybranch
❻ vlad@vlad:~/programming/lab9$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
❼ vlad@vlad:~/programming/lab9$ git branch
* main
  mybranch
❽ vlad@vlad:~/programming/lab9$ git log --oneline --graph
* 782e84d (HEAD -> main, origin/main) add sort.c, delete readme
* 42be7b1 Add file: sort.c
* 3e34e4a first commit
* 7c1592b first commit
❾ vlad@vlad:~/programming/lab9$ touch file2.txt
❿ vlad@vlad:~/programming/lab9$ git add file2.txt
❽ vlad@vlad:~/programming/lab9$ git commit -m "add file2"
[main 051f1e1] add file2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab9/file2.txt
❾ vlad@vlad:~/programming/lab9$ git log --oneline --graph --all
❽ vlad@vlad:~/programming/lab9$ git log --oneline --graph --all
* 051f1e1 (HEAD -> main) add file2
| * 78a4d25 (mybranch) Добавил два файла
|/
* 782e84d (origin/main) add sort.c, delete readme
* 42be7b1 Add file: sort.c
* 3e34e4a first commit
* 7c1592b first commit
❽ vlad@vlad:~/programming/lab9$ git checkout mybranch
```