

# ОТЧЕТ 6 ЛАБ ВРПО

```
MINGW64:/d/labs/ВРПО/lab6

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git version
git version 2.43.0.windows.1

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ |
```

1.

2.

```
MINGW64:/d/labs/ВРПО/lab6

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git version
git version 2.43.0.windows.1

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git help
bash: '$\302\223git': command not found

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git help
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
          [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
          [-p | --paginate] [-P | --no-pager] [--no-replace-objects] [--bare]
          [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
          [--config-env=<name>=<envvar>] <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch
  push       Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.
```

3.

1. Создать папку, в которой будет репозиторий

2.открыть Git Bash в этой папке

3.прописать команду Git init

4.

```
ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=ENIXxk
user.mail=enman228@gmail.com
user.email=shmat2006@gmail.com
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
```

5.

```
ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git init
Reinitialized existing Git repository in D:/labs/BPPO/lab6/.git/
```

6.

```
ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```

MINGW64:/d/labs/BPPO/lab6
$ git log
commit 1f9f67ff77616148b906c1414df12959b85e756a (HEAD -> master)
Merge: 026f951 5a95670
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:39:59 2023 +0300

    f

commit 026f951dffae9f3ca741d1183b3346ce16ba355a
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:34:31 2023 +0300

    g

commit 5a956705fc29dfc392ad2002c8a921b9942bb5b0 (test)
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:33:43 2023 +0300

    f

commit 0ff11efc44e94d761f6c528c60b980db520bc977
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:23:05 2023 +0300

    f

commit 8e79ff6ed35c1d70bb9201a19ca8733b1d5a6823
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:19:17 2023 +0300

    comment

commit 772f93340ff626c9bd430193196f9f8e0b8dc365
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:17:54 2023 +0300

    e

commit 5086830b21a66330a0db03b78bc3fbfafa612b1f
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:11:24 2023 +0300

    e

commit 09f132a953d959102b327072660a0b91f7aec456
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 17:05:03 2023 +0300

    hello

commit ec56f3b724f359121a79a4c341ac3277e69d391d
Author: ENIXxk <shmat2006@gmail.com>
Date: Mon Dec 11 14:41:55 2023 +0300

    first commit ever

```

7.

```

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Hello.txt

```

8.

```

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git commit -m "g"
[master 594911f] g
1 file changed, 1 insertion(+), 1 deletion(-)

```

9.

```

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/BPPO/lab6 (master)
$ git checkout test
Switched to branch 'test'

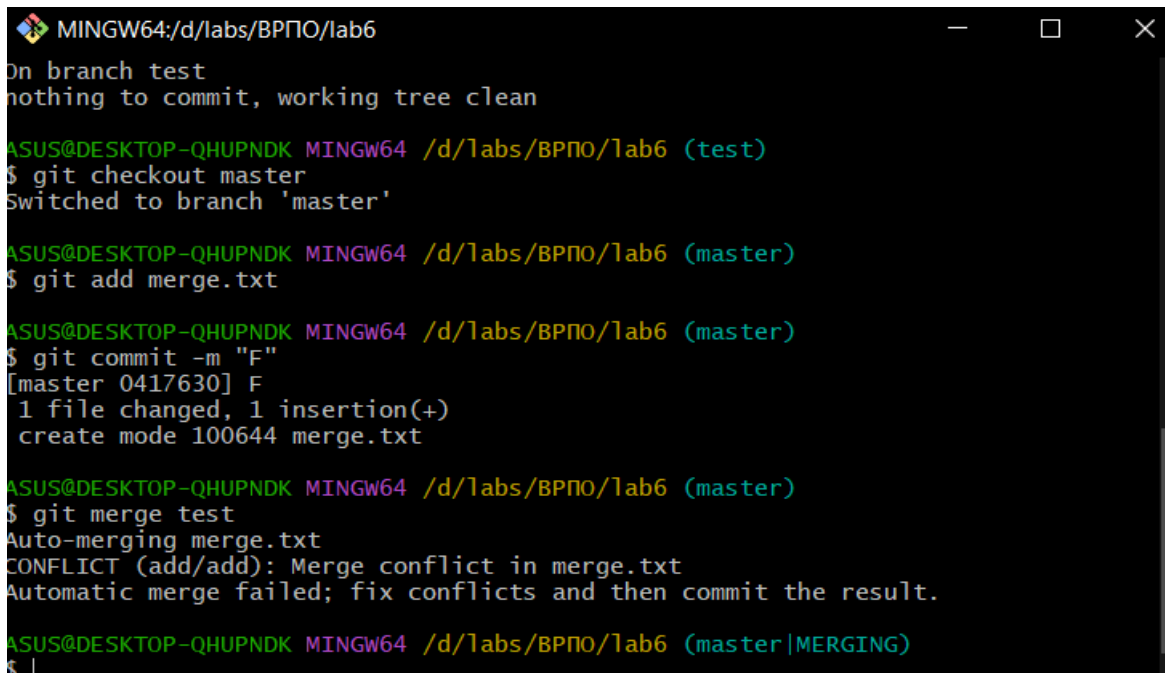
```

10.

11.

```
ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (test)
$ git merge master
Updating 5a95670..594911f
Fast-forward
 Hello.txt | 2 +-
 test.txt  | 2 +-
 2 files changed, 2 insertions(+), 2 deletions(-)
```

## 12. Конфликт слияния двух веток



The screenshot shows a Windows terminal window titled "MINGW64:d/labs/ВРПО/lab6". The user is on the 'test' branch. They run 'git checkout master', which switches them to the 'master' branch. Then they run 'git add merge.txt', adding a new file. Next, they run 'git commit -m "F"', committing the file. Finally, they run 'git merge test', which attempts to merge the 'test' branch into 'master'. A conflict occurs in 'merge.txt' because the file was added in 'test' but not in 'master'. The terminal displays the error: "CONFLICT (add/add): Merge conflict in merge.txt" and "Automatic merge failed; fix conflicts and then commit the result." The prompt changes to "(master|MERGING)".

```
MINGW64:d/labs/ВРПО/lab6
On branch test
nothing to commit, working tree clean

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (test)
$ git checkout master
Switched to branch 'master'

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git add merge.txt

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git commit -m "F"
[master 0417630] F
 1 file changed, 1 insertion(+)
 create mode 100644 merge.txt

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master)
$ git merge test
Auto-merging merge.txt
CONFLICT (add/add): Merge conflict in merge.txt
Automatic merge failed; fix conflicts and then commit the result.

ASUS@DESKTOP-QHUPNDK MINGW64 /d/labs/ВРПО/lab6 (master|MERGING)
$
```