

Git_Labs

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Git_Lab01

```
mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents
$ mkdir git-test

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents
$ cd git-test

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test
$ mkdir test01

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test
$ cd test01/

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01
$ git init
Initialized empty Git repository in C:/Users/mosaa/Documents/git-test/test01/.git/

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ touch first.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git status
On branch master

No commits yet

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

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

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git add first.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git commit -m "the first file"
[master (root-commit) d513b45] the first file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 first.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git status
On branch master
nothing to commit, working tree clean

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ touch second.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git add second.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git commit -m "the second file"
[master d79e661] the second file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 second.txt
```

Cont'd

```
mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ touch third.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ touch fourth.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        fourth.txt
        third.txt

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

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git add .

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git commit -m "the #3 and #4 files"
[master ec2b5cf] the #3 and #4 files
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
 create mode 100644 third.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git status
On branch master
nothing to commit, working tree clean

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git log
commit ec2b5cf11f15785ee6a7b8edb78ddf3a3ca540 (HEAD -> master)
Author: msb <msb20sobhi@gmail.com>
Date:   Tue Jul 23 20:10:02 2024 +0300

    the #3 and #4 files

commit d79e66184e64696d26dd095e0b43d04cb795acde
Author: msb <msb20sobhi@gmail.com>
Date:   Tue Jul 23 20:08:53 2024 +0300

    the second file

commit d513b459a99b2c11fa35b294b3332b4b91d1784e
Author: msb <msb20sobhi@gmail.com>
Date:   Tue Jul 23 20:07:09 2024 +0300

    the first file
```

GIT_Lab02

```
mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ pwd
/c/Users/mosaa/Documents/git-test/test01

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git branch
* master

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git checkout -b new-feature
Switched to a new branch 'new-feature'

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (new-feature)
$ touch lab02.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (new-feature)
$ git add .

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (new-feature)
$ git commit -m "the lab02.txt file in the new-feature branch"
[new-feature a13444a] the lab02.txt file in the new-feature branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (new-feature)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (new-feature)
$ git checkout master
Switched to branch 'master'

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ ls
first.txt  fourth.txt  second.txt  third.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git merge new-feature
Updating ec2b5cf..a13444a
Fast-forward
 lab02.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt
```

GIT_Lab03

```
mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git remote -v

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git remote add origin https://github.com/21msb/gitLabsDay03.git

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git push
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master

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

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git push -u origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 798 bytes | 798.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/21msb/gitLabsDay03.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

Markdown-Lab1 (Bonus)

```
mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ touch README.md

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git add .

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git commit -m "The README.md file"
[master 5f0ba49] The README.md file
1 file changed, 6 insertions(+)
create mode 100644 README.md

mosaa@LAPTOP-L5KEI4F2 MINGW64 ~/Documents/git-test/test01 (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 322 bytes | 322.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/21msb/gitLabsDay03.git
 a13444a..5f0ba49 master -> master
```