

# 1. Git init

```
$ git init
Initialized empty Git repository in D:/git-practical-exam/.git/

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam (master)
$ git ls -la
git: 'ls' is not a git command. See 'git --help'.

The most similar command is
  lfs

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam (master)
$ ls -la
total 20
drwxr-xr-x 1 BJIT 197121 0 May 5 08:50 ./
drwxr-xr-x 1 BJIT 197121 0 May 5 08:49 ../
drwxr-xr-x 1 BJIT 197121 0 May 5 08:50 .git/

$ ls -la
total 20
drwxr-xr-x 1 BJIT 197121 0 May 5 08:50 ./
drwxr-xr-x 1 BJIT 197121 0 May 5 08:49 ../
drwxr-xr-x 1 BJIT 197121 0 May 5 08:50 .git/

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam (master)
$ ls -la ~/.ssh
total 35
drwxr-xr-x 1 BJIT 197121 0 Apr 18 14:36 ./
drwxr-xr-x 1 BJIT 197121 0 May 5 07:50 ../
-rw-r--r-- 1 BJIT 197121 419 Apr 26 08:49 id_ed25519
-rw-r--r-- 1 BJIT 197121 110 Apr 26 08:49 id_ed25519.pub
-rw-r--r-- 1 BJIT 197121 2622 Apr 27 11:35 id_rsa
-rw-r--r-- 1 BJIT 197121 582 Apr 27 11:35 id_rsa.pub
-rw-r--r-- 1 BJIT 197121 1252 Apr 18 14:36 known_hosts
-rw-r--r-- 1 BJIT 197121 596 Feb 7 09:02 known_hosts.old

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam (master)
$ ssh -T git@github.com
Hi mahmuda-bjit! You've successfully authenticated, but Github does
not provide shell access.
```

2.

```
target="40"/></a> <a href="https://www.w3schools.com/cpp/" target="_blank" rel="noopener"></a> <a href="https://www.w3schools.com/css/" target="_blank" rel="noopener"></a> <a href="https://www.djangooproject.com/" target="_blank" rel="noopener"></a> <a href="https://www.docker.com/" target="_blank" rel="noopener"></a> </div>
</div>
<div class="code-block">
keya.md [unx] (09:08 05/05/2023) 1,1 Top
:~q
</div>
```

3.

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training
thub-training (main)
$ git branch
  keyaReadme-branch
* main

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training
thub-training (main)
$ git checkout keyaReadme-branch
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ ls
Keya.md  README.md

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ cat Keya.md
```

4.

```

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ ls
Keya.md  README.md

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git status
On branch keyaReadme-branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Keya.md

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

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git add .
warning: in the working copy of 'Keya.md', LF will be replaced by CRLF the next time Git touches it

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git commit -m "Adding first file" -m "Adding Keya.md file as first file" -m "Refs#1234"
[keyaReadme-branch 9c17aa6] Adding first file
1 file changed, 47 insertions(+)
create mode 100644 Keya.md

```

5.

6. Checking git remote connect:

```

$ git remote -v
origin  git@github.com:mdnahidulislam1/git-github-training.git (fetch)
origin  git@github.com:mdnahidulislam1/git-github-training.git (push)

```

```

$ git pull
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 652 bytes | 130.00 KiB/s, done.
From github.com:mdnahidulislam1/git-github-training
   62f78e2..1289b6f  main       -> origin/main
Updating 62f78e2..1289b6f
Fast-forward
 nahid.md | 119 +++++
 1 file changed, 119 insertions(+)
 create mode 100644 nahid.md

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (main)
$ ls
README.md  nahid.md

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (main)
$ git checkout keyaReadme-branch
Switched to branch 'keyaReadme-branch'

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ ls
Keya.md  README.md

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git push origin keyaReadme-branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 2.54 KiB | 1.27 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

```

7.

```

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git push origin keyaReadme-branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 2.54 KiB | 1.27 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'keyaReadme-branch' on GitHub by visiting:
remote:   https://github.com/mdnahidulislam1/git-github-training/pull/new/keyaReadme-branch
remote:
To github.com:mdnahidulislam1/git-github-training.git
 * [new branch]   keyaReadme-branch -> keyaReadme-branch

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$

```

8.

```

BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-training (keyaReadme-branch)
$ git push origin keyaReadme-branch
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 658 bytes | 658.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0

```

```
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:mdnahidulislam1/git-github-training.git
   9c17aa6..3be4c32  keyaReadme-branch -> keyaReadme-branch
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (keyaReadme-branch)
$ git checkout main
Switched to branch 'main'
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (main)
$ git pull
Updating bde3f20..81afe32
Fast-forward
 farzanaprofile.md | 54
+++++
1 file changed, 54 insertions(+)
create mode 100644 farzanaprofile.md
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (main)
$ git checkout keyaReadme-branch
Switched to branch 'keyaReadme-branch'
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (keyaReadme-branch)
$ git pull
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> keyaReadme-branch
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (keyaReadme-branch)
$ git pull origin main
From github.com:mdnahidulislam1/git-github-training
* branch          main          -> FETCH_HEAD
Already up to date.
```

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (keyaReadme-branch)
$ git push
fatal: The current branch keyaReadme-branch has no upstream branch.
To push the current branch and set the remote as upstream, use
```

```
git push --set-upstream origin keyaReadme-branch
```

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

---

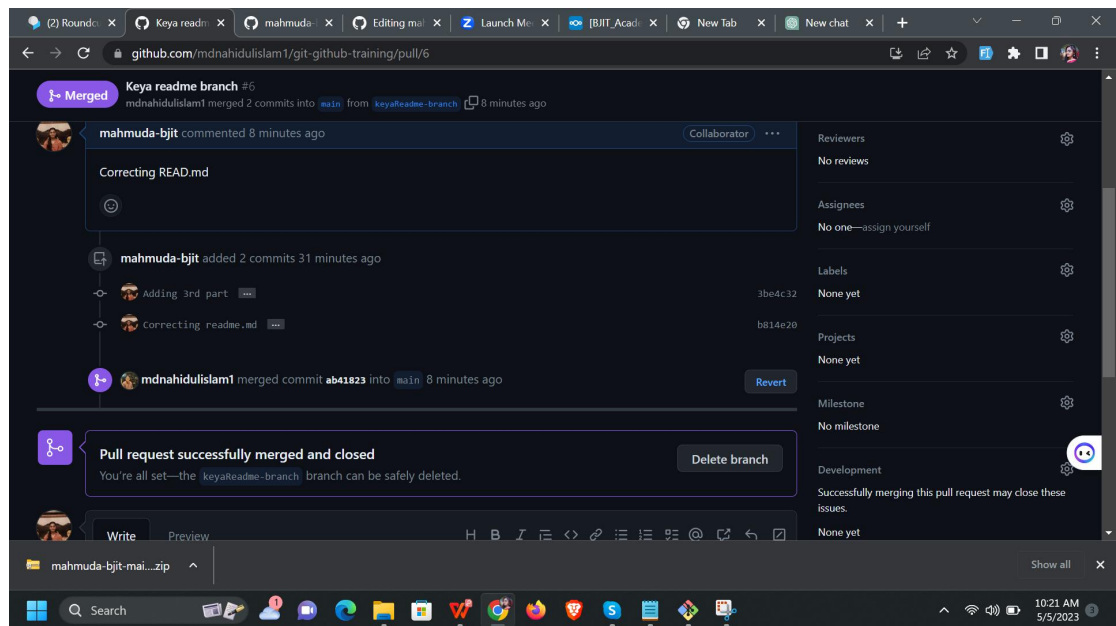
```
9. $ git push
fatal: The current branch keyaReadme-branch has no upstream branch.
To push the current branch and set the remote as upstream, use
```

```
git push --set-upstream origin keyaReadme-branch
```

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

```
BJIT@30008-Fairuz-Tanzim-Achal MINGW64 /d/git-practical-exam/git-github-
training (keyaReadme-branch)
$ git push origin keyaReadme-branch
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
```

```
Writing objects: 100% (3/3), 729 bytes | 729.00 KiB/s, done.  
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.  
To github.com:mdnahidulislam1/git-github-training.git  
3be4c32..b814e20  keyaReadme-branch -> keyaReadme-branch
```



10.