

```
C:\Users\kudu>git config --global user.name "kuducode316"

C:\Users\kudu>git config --global user.email "kuducode316@gmail.com"

C:\Users\kudu>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
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
user.email=kuducode316@gmail.com
user.name=kuducode316

C:\Users\kudu>_
```

```
C:\Users\kudu>mkdir "Software Engineering"
C:\Users\kudu>cd Software Engineering
C:\Users\kudu\Software Engineering>git init
Initialized empty Git repository in C:/Users/kudu/Software Engineering/.git/
C:\Users\kudu\Software Engineering>mkdir Lab1
C:\Users\kudu\Software Engineering>git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

C:\Users\kudu\Software Engineering>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Lab1/

nothing added to commit but untracked files present (use "git add" to track)
C:\Users\kudu\Software Engineering>git add Lab1
C:\Users\kudu\Software Engineering>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Lab1/File1.txt

C:\Users\kudu\Software Engineering>
```

```
C:\Users\kudu\Software Engineering>git status
HEAD detached at d7d7acf
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Lab1/File2.txt

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

```
C:\Users\kudu\Software Engineering>git add Lab1

C:\Users\kudu\Software Engineering>git status
HEAD detached at d7d7acf
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   Lab1/File2.txt

C:\Users\kudu\Software Engineering>git commit -m "Second Commit"
[detached HEAD 670e89a] Second Commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Lab1/File2.txt

C:\Users\kudu\Software Engineering>git log
commit 670e89a56ace0ce8e993e60cb7ea2aa651cb9a82 (HEAD)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:14:34 2025 +0300

    Second Commit

commit d7d7acfe22fa4d556807aeea234f3e084ca89beb (master)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:07:34 2025 +0300

    Initial Commit
```

```
C:\Users\kudu\Software Engineering>git checkout "670e89a56ace0ce8e993e60cb7ea2aa651cb9a82"
HEAD is now at 670e89a Second Commit
```

```
C:\Users\kudu\Software Engineering>git log
commit 670e89a56ace0ce8e993e60cb7ea2aa651cb9a82 (HEAD)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:14:34 2025 +0300

    Second Commit

commit d7d7acfe22fa4d556807aeea234f3e084ca89beb (master)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:07:34 2025 +0300

    Initial Commit
```

```
C:\Users\kudu\Software Engineering>git checkout "d7d7acfe22fa4d556807aeea234f3e084ca89beb"
Warning: you are leaving 1 commit behind, not connected to
any of your branches:
```

```
670e89a Second Commit
```

```
If you want to keep it by creating a new branch, this may be a good time
to do so with:
```

```
git branch <new-branch-name> 670e89a
```

```
HEAD is now at d7d7acf Initial Commit
```

```
C:\Users\kudu\Software Engineering>git log
commit d7d7acfe22fa4d556807aeea234f3e084ca89beb (HEAD, master)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:07:34 2025 +0300

    Initial Commit
```

```
C:\Users\kudu\Software Engineering>git branch "tempbranch"
```

```
C:\Users\kudu\Software Engineering>git branch
* (HEAD detached at d7d7acf)
  master
  tempbranch
```

```
C:\Users\kudu\Software Engineering>git log
commit d7d7acfe22fa4d556807aeea234f3e084ca89beb (HEAD, tempbranch, master)
Author: kuducode316 <kuducode316@gmail.com>
Date:   Wed Jul 23 23:07:34 2025 +0300

    Initial Commit
```

```
C:\Users\kudu\Software Engineering>git checkout "tempbranch"  
Switched to branch 'tempbranch'
```

```
C:\Users\kudu\Software Engineering>git log  
commit d7d7acfe22fa4d556807aeaa234f3e084ca89beb (HEAD -> tempbranch, master)  
Author: kuducode316 <kuducode316@gmail.com>  
Date: Wed Jul 23 23:07:34 2025 +0300
```

Initial Commit

```
C:\Users\kudu\Software Engineering>git switch "master"  
Switched to branch 'master'
```

```
C:\Users\kudu\Software Engineering>git log  
commit d7d7acfe22fa4d556807aeaa234f3e084ca89beb (HEAD -> master, tempbranch)  
Author: kuducode316 <kuducode316@gmail.com>  
Date: Wed Jul 23 23:07:34 2025 +0300
```

Initial Commit

```
C:\Users\kudu\Software Engineering>git ls-files  
Lab1/File1.txt
```

```
C:\Users\kudu\Software Engineering>_
```

```
C:\Users\kudu\Software Engineering>git ls-files  
Lab1/File1.txt
```

```
C:\Users\kudu\Software Engineering>git clean -dn  
Would remove Lab1/File2.txt
```

```
C:\Users\kudu\Software Engineering>git clean -df  
Removing Lab1/File2.txt  
Removing Lab1/Temp/
```

```
C:\Users\kudu\Software Engineering>_
```

```
C:\Users\kudu\Software Engineering>git rm "Lab1\File1.txt"  
rm 'Lab1/File1.txt'
```

```
C:\Users\kudu\Software Engineering>git status  
On branch master  
Changes to be committed:  
  (use "git restore --staged <file>..." to unstage)  
        deleted:   Lab1/File1.txt
```

```
C:\Users\kudu\Software Engineering>git push -u origin master  
Enumerating objects: 8, done.  
Counting objects: 100% (8/8), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (8/8), 583 bytes | 100.00 KiB/s, done.  
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
To https://github.com/kuducode316/Software-Engineering.git  
 * [new branch]      master -> master  
branch 'master' set up to track 'origin/master'.
```

```
C:\Users\kudu\Software Engineering>_
```