

```
Z:\>git config --global user.name "milapdave111"  
error: could not lock config file Z://.gitconfig: Permission denied
```

```
Z:\>set home=C:\Users\student
```

```
Z:\>c:
```

```
C:\>git config --global user.name "milapdave111"
```

```
C:\>git config --global user.email "milapdave6355@gmail.com"
```

```
C:\>git version 2.43.0.windows.1
```

```
git version 2.52.0.windows.1
```

```
C:\>git --version
```

```
git version 2.52.0.windows.1
```

```
C:\>git init
```

```
Initialized empty Git repository in C:/.git/
```

```
C:\>mkdir ost
```

```
C:\>mkdir ost
```

```
A subdirectory or file ost already exists.
```

```
C:\>git init
```

```
Reinitialized existing Git repository in C:/./git/
```

```
C:\>cd ost
```

```
C:\ost>git init
```

```
Initialized empty Git repository in C:/ost/.git/
```

```
C:\ost>git status
```

```
On branch master
```

```
No commits yet
```

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

```
C:\ost>echo Sample.txt
```

```
Sample.txt
```

```
C:\ost>echo demo.py
```

```
demo.py
```

```
C:\ost>git status
```

```
On branch master
```

```
No commits yet
```

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

C:\ost>dir

Volume in drive C has no label.

Volume Serial Number is C2A1-ABB5

Directory of C:\ost

28-01-2026 08:05 <DIR> .

28-01-2026 08:05 <DIR> ..

0 File(s) 0 bytes

2 Dir(s) 75,180,949,504 bytes free

C:\ost>echo sample.txt

sample.txt

C:\ost>dir

Volume in drive C has no label.

Volume Serial Number is C2A1-ABB5

Directory of C:\ost

28-01-2026 08:05 <DIR> .

28-01-2026 08:05 <DIR> ..

0 File(s) 0 bytes

2 Dir(s) 75,180,240,896 bytes free

```
C:\ost>echo Hello>sample.txt
```

```
C:\ost>dir
```

```
Volume in drive C has no label.
```

```
Volume Serial Number is C2A1-ABB5
```

```
Directory of C:\ost
```

```
28-01-2026 08:08 <DIR> .
```

```
28-01-2026 08:08 <DIR> ..
```

```
28-01-2026 08:08 7 sample.txt
```

```
1 File(s) 7 bytes
```

```
2 Dir(s) 75,180,175,360 bytes free
```

```
C:\ost>type sample.txt
```

```
Hello
```

```
C:\ost>git commit -m "Initial commit"
```

```
On branch master
```

```
Initial commit
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
sample.txt
```

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

```
C:\ost>git commit -m "Initial commit"
```

```
On branch master
```

```
Initial commit
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
sample.txt
```

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

```
C:\ost>git add sample.txt
```

```
C:\ost>git commit -m "Initial commit"
```

```
[master (root-commit) 55da7b4] Initial commit
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 sample.txt
```

```
C:\ost>git branch
```

```
* master
```

```
C:\ost>git branch -m master main
```

```
C:\ost>git branch
```

```
* main
```

```
C:\ost>git checkout main
```

```
Already on 'main'
```

```
C:\ost>git checkout -b dev
```

```
Switched to a new branch 'dev'
```

```
C:\ost>echo Hello from Dev>>sample.txt
```

```
C:\ost>git add .
```

```
C:\ost>git commit -m "update in dev"
```

```
[dev 9073f0c] update in dev
```

```
1 file changed, 1 insertion(+)
```

```
C:\ost>git merge dev
```

```
Already up to date.
```

```
C:\ost>dir
```

```
Volume in drive C has no label.
```

```
Volume Serial Number is C2A1-ABB5
```

```
Directory of C:\ost
```

```
28-01-2026 08:08 <DIR> .
28-01-2026 08:08 <DIR> ..
28-01-2026 08:12       23 sample.txt
1 File(s)      23 bytes
2 Dir(s) 75,182,919,680 bytes free
```

C:\ost>type sample.txt

Hello

Hello from Dev

C:\ost>git remote -v

C:\ost>git remote add origin https://github.com/MilapDave111/OST_MilapDave

C:\ost>git remote -v

origin https://github.com/MilapDave111/OST_MilapDave (fetch)
origin https://github.com/MilapDave111/OST_MilapDave (push)

C:\ost>git push -u origin main

C:\ost>git remote add origin https://github.com/MilapDave111/OST_MilapDave.git
error: remote origin already exists.

C:\ost>git remote remove origin

C:\ost>git remote add origin https://github.com/MilapDave111/OST_MilapDave.git

```
C:\ost>git push -u origin main  
info: please complete authentication in your browser...  
To https://github.com/MilapDave111/OST\_MilapDave.git  
! [rejected]      main -> main (fetch first)  
error: failed to push some refs to 'https://github.com/MilapDave111/OST\_MilapDave.git'  
hint: Updates were rejected because the remote contains work that you do not  
hint: have locally. This is usually caused by another repository pushing to  
hint: the same ref. If you want to integrate the remote changes, use  
hint: 'git pull' before pushing again.  
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
C:\ost>git pull origin main --allow-unrelated-histories  
remote: Enumerating objects: 28, done.  
remote: Counting objects: 100% (28/28), done.  
remote: Compressing objects: 100% (26/26), done.  
remote: Total 28 (delta 6), reused 0 (delta 0), pack-reused 0 (from 0)  
Unpacking objects: 100% (28/28), 474.16 KiB | 774.00 KiB/s, done.  
From https://github.com/MilapDave111/OST\_MilapDave  
* branch      main    -> FETCH_HEAD  
* [new branch] main    -> origin/main  
Merge made by the 'ort' strategy.  
01CE0618 - Open Source Technologies Syllabus.pdf | Bin 0 -> 151997 bytes  
Practical 1.docx           | Bin 0 -> 341420 bytes  
Practical 1.pdf            | 80 ++++++  
3 files changed, 80 insertions(+)
```

```
create mode 100644 01CE0618 - Open Source Technologies Syllabus.pdf
```

```
create mode 100644 Practical 1.docx
```

```
create mode 100644 Practical 1.pdf
```

```
C:\ost>git push -u origin main
```

```
To https://github.com/MilapDave111/OST\_MilapDave.git
```

```
! [rejected]      main -> main (non-fast-forward)
```

```
error: failed to push some refs to 'https://github.com/MilapDave111/OST\_MilapDave.git'
```

```
hint: Updates were rejected because a pushed branch tip is behind its remote
```

```
hint: counterpart. If you want to integrate the remote changes, use 'git pull'
```

```
hint: before pushing again.
```

```
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
C:\ost>
```

```
C:\ost>git checkout main
```

```
Switched to branch 'main'
```

```
C:\ost>git branch
```

```
  dev
```

```
* main
```

```
C:\ost>git pull --rebase origin main
```

```
From https://github.com/MilapDave111/OST\_MilapDave
```

```
* branch      main    -> FETCH_HEAD
```

```
Successfully rebased and updated refs/heads/main.
```

```
C:\ost>git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 279 bytes | 139.00 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.
remote: Bypassed rule violations for refs/heads/main:
remote:
remote: - Changes must be made through a pull request.
remote:
To https://github.com/MilapDave111/OST\_MilapDave.git
  6759293..dfe6701 main -> main
branch 'main' set up to track 'origin/main'.
```

```
C:\ost>dir
Volume in drive C has no label.
Volume Serial Number is C2A1-ABB5
```

```
Directory of C:\ost

28-01-2026 08:30 <DIR> .
28-01-2026 08:30 <DIR> ..
28-01-2026 08:30 151,997 01CE0618 - Open Source Technologies Syllabus.pdf
28-01-2026 08:30 341,420 Practical 1.docx
```

```
28-01-2026 08:30      3,623 Practical 1.pdf
```

```
28-01-2026 08:30      7 sample.txt
```

```
4 File(s)    497,047 bytes
```

```
2 Dir(s) 74,909,814,784 bytes free
```

```
C:\ost>git remote -v
```

```
origin https://github.com/MilapDave111/OST\_MilapDave.git (fetch)
```

```
origin https://github.com/MilapDave111/OST\_MilapDave.git (push)
```

```
C:\ost>git push -u origin main
```

```
branch 'main' set up to track 'origin/main'.
```

```
Everything up-to-date
```

```
C:\ost>git checkout main
```

```
Already on 'main'
```

```
Your branch is up to date with 'origin/main'.
```

```
C:\ost>git checkout -b dev
```

```
fatal: a branch named 'dev' already exists
```

```
C:\ost>git branch
```

```
  dev
```

```
* main
```

```
C:\ost>git switch dev
```

```
Switched to branch 'dev'
```

```
C:\ost>git status
```

```
On branch dev
```

```
nothing to commit, working tree clean
```

```
C:\ost>git add .
```

```
C:\ost>git commit -m "Hellow from dev"
```

```
On branch dev
```

```
nothing to commit, working tree clean
```

```
C:\ost>git push -u origin dev
```

```
Enumerating objects: 9, done.
```

```
Counting objects: 100% (9/9), done.
```

```
Delta compression using up to 6 threads
```

```
Compressing objects: 100% (4/4), done.
```

```
Writing objects: 100% (8/8), 801 bytes | 801.00 KiB/s, done.
```

```
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
```

```
remote:
```

```
remote: Create a pull request for 'dev' on GitHub by visiting:
```

```
remote:   https://github.com/MilapDave111/OST\_MilapDave/pull/new/dev
```

```
remote:
```

```
To https://github.com/MilapDave111/OST\_MilapDave.git
```

```
* [new branch]    dev -> dev
```

```
branch 'dev' set up to track 'origin/dev'.
```

```
C:\ost>

C:\ost>git push -u origin dev

Enumerating objects: 9, done.

Counting objects: 100% (9/9), done.

Delta compression using up to 6 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (8/8), 801 bytes | 801.00 KiB/s, done.

Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

remote:

remote: Create a pull request for 'dev' on GitHub by visiting:

remote:   https://github.com/MilapDave111/OST\_MilapDave/pull/new/dev

remote:

To https://github.com/MilapDave111/OST\_MilapDave.git

 * [new branch]    dev -> dev

branch 'dev' set up to track 'origin/dev'.
```

```
C:\ost>git status

On branch dev

Your branch is up to date with 'origin/dev'.
```

```
nothing to commit, working tree clean
```

```
C:\ost>git add .
```

```
C:\ost>git commit -m "Hello from dev"
```

```
On branch dev
```

```
Your branch is up to date with 'origin/dev'.
```

```
nothing to commit, working tree clean
```

```
C:\ost>git push
```

```
Everything up-to-date
```

```
C:\ost>
```