

```

(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global user.name "SakshiRakhade"
(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global user.email "sakshirakhade.ml24@sbjit.edu.in"
(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global user.name
SakshiRakhade
(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global user.email
sakshirakhade.ml24@sbjit.edu.in
(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global color.ui auto

(base) sakshirakhade@Sakshis-MacBook-Air ~ % git config --global --list

filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
filter.lfs.clean=git-lfs clean -- %f
user.name=SakshiRakhade
user.email=sakshirakhade.ml24@sbjit.edu.in
color.ui=auto
(base) sakshirakhade@Sakshis-MacBook-Air ~ % mkdir demo-github
(base) sakshirakhade@Sakshis-MacBook-Air ~ % cd demo-github

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git init
Initialized empty Git repository in /Users/sakshirakhade/demo-github/.git/
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % echo "Hello Git" > test.txt

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git status

On branch main

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git add test.txt

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git reset test.txt

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git add test.txt

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git diff

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git diff --staged

diff --git a/test.txt b/test.txt
new file mode 100644
index 0000000..9f4d96d
--- /dev/null
+++ b/test.txt
@@ -0,0 +1 @@
+Hello Git
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git commit -m "Initial commit"

[main (root-commit) c211249] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 test.txt
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git branch
* main
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git branch feature
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git checkout feature
Switched to branch 'feature'
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git checkout main

```

```
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git branch feature
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git checkout feature
Switched to branch 'feature'
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git checkout main

Switched to branch 'main'
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git merge feature
```

```
Already up to date.
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log
commit c211249dd667804589d390169bfce0e441e8f7bb (HEAD -> main, feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530
```

```
Initial commit
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log main..feature
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log --follow test.txt
commit c211249dd667804589d390169bfce0e441e8f7bb (HEAD -> main, feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530
```

```
Initial commit
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git diff main...feature
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git show HEAD
commit c211249dd667804589d390169bfce0e441e8f7bb (HEAD -> main, feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530
```

```
Initial commit

diff --git a/test.txt b/test.txt
new file mode 100644
index 0000000..9f4d96d
--- /dev/null
+++ b/test.txt
@@ -0,0 +1 @@
+Hello Git
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git rm test.txt
git commit -m "Removed test file"
rm 'test.txt'
[main 5bf8816] Removed test file
 1 file changed, 1 deletion(-)
 delete mode 100644 test.txt
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % echo "Notes" > notes.txt
git mv notes.txt new-notes.txt
git commit -m "Renamed notes file"
fatal: not under version control, source=notes.txt, destination=new-notes.txt
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    notes.txt
```

```
nothing added to commit but untracked files present (use "git add" to track)
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log --stat -M
commit 5bf881607f1046b03c4455e2e6a5a61af5015088 (HEAD -> main)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:17:41 2026 +0530
```

```
Removed test file

test.txt | 1 -
1 file changed, 1 deletion(-)
```

```
test.txt | 1 -  
1 file changed, 1 deletion(-)
```

```
commit c211249dd667804589d390169bfce0e441e8f7bb (feature)  
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>  
Date: Tue Jan 13 21:16:02 2026 +0530
```

Initial commit

```
test.txt | 1 +  
1 file changed, 1 insertion(+)  
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % nano .gitignore
```

UW PICO 5.09

File: .gitignore

Modified





```

Already up to date.
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log

commit cbfaa59925920a392d9e750279cb330add28cb93 (HEAD -> main)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:22:50 2026 +0530

    Initial commit

commit 5bf881607f1046b03c4455e2e6a5a61af5015088
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:17:41 2026 +0530

    Removed test file

commit c211249dd667804589d390169bfce0e441e8f7bb (feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530

    Initial commit

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log main..feature

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log --follow test.txt

commit cbfaa59925920a392d9e750279cb330add28cb93 (HEAD -> main)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:22:50 2026 +0530

    Initial commit

commit 5bf881607f1046b03c4455e2e6a5a61af5015088
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:17:41 2026 +0530

    Removed test file

commit c211249dd667804589d390169bfce0e441e8f7bb (feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530

    Initial commit

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git diff main...feature

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git show HEAD

commit cbfaa59925920a392d9e750279cb330add28cb93 (HEAD -> main)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:22:50 2026 +0530

    Initial commit

diff --git a/test.txt b/test.txt
new file mode 100644
index 0000000..9f4d96d
--- /dev/null
+++ b/test.txt
@@ -0,0 +1 @@
+Hello Git
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git rm test.txt
git commit -m "Removed test file"

rm 'test.txt'
[main 1f14a01] Removed test file

```

```

--- /dev/null
+++ b/test.txt
@@ -0,0 +1 @@
+Hello Git
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git rm test.txt
git commit -m "Removed test file"

rm 'test.txt'
[main 1f14a01] Removed test file
 1 file changed, 1 deletion(-)
 delete mode 100644 test.txt
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % echo "Notes" > notes.txt
git mv notes.txt new-notes.txt
git commit -m "Renamed notes file"

fatal: not under version control, source=notes.txt, destination=new-notes.txt
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore.save
        notes.txt

nothing added to commit but untracked files present (use "git add" to track)
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git log --stat -M

commit 1f14a01cd955a265360dd2574244cfe5094daba9 (HEAD -> main)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:23:29 2026 +0530

    Removed test file

test.txt | 1 -
1 file changed, 1 deletion(-)

commit cbfaa59925928a392d9e750279cb330add28cb93
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:22:50 2026 +0530

    Initial commit

test.txt | 1 +
1 file changed, 1 insertion(+)

commit 5bf881607f1046b03c4455e2e6a5a61af5015088
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:17:41 2026 +0530

    Removed test file

test.txt | 1 -
1 file changed, 1 deletion(-)

commit c211249dd667804589d390169bfce0e441e8f7bb (feature)
Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>
Date: Tue Jan 13 21:16:02 2026 +0530

    Initial commit

test.txt | 1 +
1 file changed, 1 insertion(+)
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git add .gitignore
git commit -m "Added gitignore"

```



Date: Tue Jan 13 21:17:41 2026 +0530

Removed test file

```
test.txt | 1 -  
1 file changed, 1 deletion(-)
```

commit c211249dd667804589d390169bfce0e441e8f7bb (feature)

Author: SakshiRakhade <sakshirakhade.ml24@sbjit.edu.in>

Date: Tue Jan 13 21:16:02 2026 +0530

Initial commit

```
test.txt | 1 +  
1 file changed, 1 insertion(+)  
(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git add .gitignore  
git commit -m "Added gitignore"
```

fatal: pathspec '.gitignore' did not match any files

On branch main

Untracked files:

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

```
.gitignore.save  
notes.txt
```

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

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % touch ~/.gitignore\_global

git config --global core.excludesfile ~/.gitignore\_global

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git remote add origin https://github.com/username/demo-github.git

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git fetch origin

git pull origin main

git push origin main

Username for 'https://github.com': SakshiRakhade

Password for 'https://SakshiRakhade@github.com':

remote: Invalid username or token. Password authentication is not supported for Git operations.

fatal: Authentication failed for 'https://github.com/username/demo-github.git/'

Username for 'https://github.com': Skvr@1456

Password for 'https://Skvr%401456@github.com':

remote: Invalid username or token. Password authentication is not supported for Git operations.

fatal: Authentication failed for 'https://github.com/username/demo-github.git/'

Username for 'https://github.com': git rebase main

Password for 'https://git%20rebase%20main@github.com':

remote: Invalid username or token. Password authentication is not supported for Git operations.

fatal: Authentication failed for 'https://github.com/username/demo-github.git/'

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git rebase main

Current branch main is up to date.

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % git reset --hard HEAD

HEAD is now at 1f14a01 Removed test file

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % echo "Temporary change" >> new-notes.txt

git stash

git stash list

git stash pop

git stash drop

No local changes to save

No stash entries found.

No stash entries found.

(base) sakshirakhade@Sakshis-MacBook-Air demo-github % █