GIT

1.Initializing a new git repository.

```
Administrator@9176994b7e94573 MINGW64 ~/Downloads/git
$ git init
Initialized empty Git repository in C:/Users/Administrator/Downloads/git/.git/

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ ls

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ ls -la
total 12
drwxr-xr-x 1 Administrator 197121 0 Jan  3 09:26 ./
drwxr-xr-x 1 Administrator 197121 0 Jan  3 09:25 ../
drwxr-xr-x 1 Administrator 197121 0 Jan  3 09:26 .git/

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git remote add origin "https://github.com/kirthiksubbiah/gitrepo1.git"

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 863 bytes | 86.00 KiB/s, done.
From https://github.com/kirthiksubbiah/gitrepo1
 * branch            main        -> FETCH_HEAD
 * [new branch]      main        -> origin/main

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ ls
README.md

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git pull origin main
From https://github.com/kirthiksubbiah/gitrepo1
 * branch            main        -> FETCH_HEAD
Already up to date.

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git pull origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
```

```
Fast-forward
 README.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git status
On branch master
nothing to commit, working tree clean

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git add README.md

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git status
On branch master
nothing to commit, working tree clean

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ nano
.git/        README.md

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ nano README.md

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git add README.md

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md


Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
```

```
$ git commit -m "new file added"
[master aa408c9] new file added
 2 files changed, 1 insertion(+)
 create mode 100644 file.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/kirthiksubbiah/gitrepo1.git'

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git branch
* master

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (master)
$ git branch -m master main

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git push origin main
info: please complete authentication in your browser...
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 307 bytes | 307.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/kirthiksubbiah/gitrepo1.git
   7487727..aa408c9  main -> main

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ ls
README.md   file.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ ls
README.md   file.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ ls
README.md   file.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git push origin main
To https://github.com/kirthiksubbiah/gitrepo1.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/kirthiksubbiah/gitrepo1.git'
```

```
Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ ls
README.md  file.txt  file1

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ nano file.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ ls
README.md  file.txt  file1

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ git add .
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ git commit -m "new branch aaded with files"
[b1 b5abcc5] new branch aaded with files
 1 file changed, 2 insertions(+)

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (b1)
$ git push origin b1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 318 bytes | 318.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'b1' on GitHub by visiting:
```

 MINGW64:/c/Users/Administrator/Downloads/git

```
Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git commit -m "DONE"
[main 55ca759] DONE
 1 file changed, 1 insertion(+)
 create mode 100644 file6.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git restore --staged file6.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git status
On branch main
nothing to commit, working tree clean

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git status
On branch main
nothing to commit, working tree clean

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git add file7.txt
fatal: pathspec 'file7.txt' did not match any files

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ notepad file7.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git add file7.txt

Administrator@9176994b7e94573 MINGW64 ~/Downloads/git (main)
$ git restore --staged file7.txt
```

kirthiksubbiah / hello-world

<> Code ⊙ Issues ⣇ Pull requests ⊙ Actions ⊞ Projects ⊞ Wiki ⊙ Security ⊿ Insights ⚙ Settings

Q Type / to search

Label issues and pull requests for new contributors
Now, GitHub will help potential first-time contributors discover issues labeled with good first issue

Dismiss

Filters ▾ Q is:pr is:closed

⊘ Labels 9 ⊕ Milestones 0 **New pull request**

⊗ Clear current search query, filters, and sorts

☐ ⣇ 0 Open ✓ 1 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Reviews ▾ Assignee ▾ Sort ▾

☐ ⭢ **Update README.md**
   #1 by kirthiksubbiah was merged in 23 minutes

Activate Windows
Go to Settings to activate Windows.

○ **ProTip!** Click a checkbox on the left to edit multiple issues at once.

---

kirthiksubbiah / gitrepo1

<> Code ⊙ Issues ⣇ Pull requests ⊙ Actions ⊞ Projects ⊞ Wiki ⊙ Security ⊿ Insights ⚙ Settings

Q Type / to search

⊞ ⭠ main ▾ **gitrepo1** /

Q Go to file t Add file ▾ •••

⬢ **kirthiksubbiah** Create file1

aafb2b2 · 13 minutes ago ⟳ History

Name	Last commit message	Last commit date
⬜ README.md	new file added	1 hour ago
⬜ file.txt	new file added	1 hour ago
⬜ file1	Create file1	13 minutes ago

README.md ✎

Activate Windows
Go to Settings to activate Windows.

firstgitrepo1

□ MakeMyLabs × ○ Comparing main...readme-edits × +

_ ◻ ✕

⊞ Markdown is supported 🖼 Paste, drop, or click to add files

Use Closing keywords in the description to automatically close issues

Create pull request ▾

Helpful resources
GitHub Community Guidelines

ⓘ Remember, contributions to this repository should follow our GitHub Community Guidelines.

-○- 1 commit	🗎 1 file changed	⋒ 1 contributor

-○- Commits on Jan 8, 2025

⬡ **Update README.md**
   ⬢ kirthiksubbiah authored 15 hours ago

Verified ⧉ 2e95724 <>

🗈 Showing 1 changed file with **2 additions** and **1 deletion**.

Split | Unified

∨ 3 ∎∎∎ README.md ⧉

<> 🗎 •••

```
...    ...    @@ -1,3 +1,4 @@
1      1      # hello_world
2      2
3             - this is before merging
       3      + this is merging branch
       4      +
```

ⓘ ¹ ⊞ Q ◻ ▦ ◉ ⟲ 🅽¹ ◎ ☁ Ⓝ ⓢ ◻ ⚙ ◉ ▣ ✖ �🅦 ••• ∧ ◌ ENG IN ⌃ ⏸ 09:39 09-01-2025