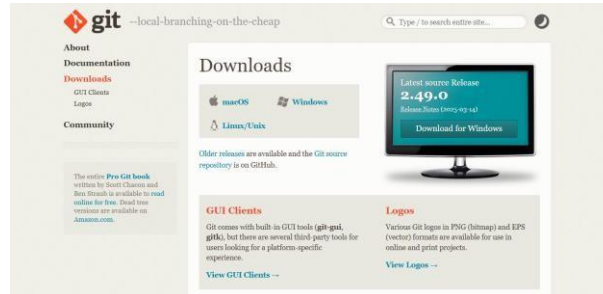


Git Installation

Download & Install Git → <https://git-scm.com/downloads>



Git Commands

Verify Installation:

`git --version`

Git Basic Configuration Configure your name & email (visible in commits):

`git config --global user.name "Subham Kumar Mohanty"`

`git config --global user.email mohantysubham187@gmail.com`

Check config:

`git config --list`

1. Initialize a Repository

`git init`

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/GIT_LOS (master)
$ git init
Reinitialized existing git repository in C:/Users/mohan/OneDrive/Desktop/GIT_LOS/.git/
```

2. Clone Existing Repository

`git clone https://github.com/SUBHAM87639/Wipro1.git`

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/GIT_LOS (master)
$ git clone https://github.com/SUBHAM87639/Wipro1.git
Cloning into 'wipro1'...
remote: Enumerating objects: 37, done.
remote: Counting objects: 100% (37/37), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 37 (delta 10), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (37/37), 422.85 KiB | 923.00 KiB/s, done.
Resolving deltas: 100% (10/10), done.
```

Check Status

git status

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/GIT_LOS (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        wipro1/
        clone/

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

3. Add Files to Staging

git add <file-name> # Add single file

git add # Add all files

4. Commit Changes

git commit -m "Commit message"

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git commit -m "First commit on master with file.txt"
[master (root-commit) c6f78c5] First commit on master with file.txt
1 file changed, 1 insertion(+)
 create mode 100644 file.txt
```

5. Pull Changes from GitHub

git pull origin <branch-name>

6. Push Changes to GitHub

git push origin <branch-name>

7. View Commit History

TASK5- MAKE GIT AND GIT HUB TUTORIAL (With Commands)

git log

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (wipro)
$ git commit -m "file.txt updated in wipro branch."
[wipro e81dd09] file.txt updated in wipro branch.
1 file changed, 1 insertion(+), 1 deletion(-)

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (wipro)
$ git log
commit e81dd099052e8523ef7bcf6d4c292342f6c98046 (HEAD -> wipro)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date: Thu Apr 3 11:22:41 2025 +0530

    file.txt updated in wipro branch.

commit c6f78c5cc46dae0a7bb4ae7dc172b3475f11ba95 (master)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date: Thu Apr 3 11:17:23 2025 +0530

    First commit on master with file.txt
```

8. Create New Branch

git branch <branch-name>

9. Merge Branch

git merge <branch-name>

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git merge wipro
bash: git: command not found

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git merge wipro
Auto-merging file.txt
CONFLICT (content): Merge conflict in file.txt
Automatic merge failed; fix conflicts and then commit the result.
```

10. Delete Branch

git branch -d <branch-name>

11. View

Remote

git

remote -v

12. Add Remote Repo

git remote add origin <https://github.com/SUBHAM87639/Wipro1.git>

TASK5- MAKE GIT AND GIT HUB TUTORIAL (With Commands)

13. Remove

Remote Repo `git`

`remote remove`

`origin`

14. Rename Branch

`git branch -m <new-branch-name>`

15. Stash Changes

(Temporary Save) `git stash`

`git stash pop` # Apply back