

GIT Commands

git init :

To initialize the local repository.

```
DELL@DELL-7490CH11 MINGW64 /d/new_git
$ git init
Initialized empty Git repository in D:/new_git/.git/
```

Creating username and respective mail ID:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git config --global user.name "manish"

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git config --global user.mail "manishhammagi@gmail.com"
```

Creating file :

touch <file name> :

To create file

```
DELL@DELL-7490CH11 MINGW64 /d/new_git (master)
$ touch file1
```

git add <file name>:

It will take snapshot of the file to the staging area.

```
DELL@DELL-7490CH11 MINGW64 /d/new_git (master)
$ git add file1
```

git commit -m "<message>" :

It will commits and save the file to the local repo.

```
DELL@DELL-7490CH11 MINGW64 /d/new_git (master)
$ git commit -m "Adding file"
[master (root-commit) 918c2f7] Adding file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1
```

git status :

It will give which file are yet to commit.

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git status
On branch master
nothing to commit, working tree clean
```

git log :

To check the information of all the file

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git log
commit f5d86de98cd474dfefd43e0ed0a4fcd7ed3bd987 (HEAD -> master)
Author: manish <manishhammagi@gmail.com>
Date: Tue Aug 6 11:40:27 2024 +0530

    adding file2

commit b031ae723050839dfe99ed52693a76ca1aa346b2
Author: manish <manishhammagi@gmail.com>
Date: Tue Aug 6 11:39:54 2024 +0530

    adding file1
```

git branch <branch name>:

To create branch

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git branch feature1
```

git branch :

To check how many branches are there

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git branch
  feature1
* master
```

git checkout <branch name>:

To switch the branch

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git checkout feature1
Switched to branch 'feature1'
```

git merge <branch name>:

to merge the branch to the master

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git merge feature1
Updating f5d86de..714c456
Fast-forward
 file3 | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file3
```

git cherry-pick <commitID>:

to copy particular latest committed

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git log --oneline
7b6a45b (HEAD -> master) adding file4
714c456 (feature1) adding file3
f5d86de adding file2
b031ae7 adding file1

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git checkout feature2
Switched to branch 'feature2'

DELL@DELL-7490CH11 MINGW64 /d/git_repo (feature2)
$ git cherry-pick 7b6a45b
[feature2 069a7c7] adding file4
Date: Tue Aug 6 11:59:55 2024 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file4
```

git tag:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git tag -a version -m "new version" c6df817

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git log --oneline
c6df817 (HEAD -> master, tag: version) adding file6
b02c998 Merge branch 'feature2'
069a7c7 (feature2) adding file4
6d0b45e adding file5
7b6a45b adding file4
714c456 (feature1) adding file3
f5d86de adding file2
b031ae7 adding file1
```

git show <tag name>:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git show version
tag version
Tagger: manish <manishhammagi@gmail.com>
Date: Tue Aug 6 12:36:47 2024 +0530

new version

commit c6df8172a1a0dd045c704d38db9450d560c46759 (HEAD -> master, tag: version)
Author: manish <manishhammagi@gmail.com>
Date: Tue Aug 6 12:35:08 2024 +0530

    adding file6
```

git reset --soft:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git reset --soft head~1

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   file6
```

git reset --mixed :

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git reset --mixed head~1

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file5
        file6

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

git reset --hard:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git reset --hard head~1
HEAD is now at 7b6a45b adding file4
```

git rebase:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git rebase -i HEAD~3
[detached HEAD 2fe0147] Combined 3 commits
Date: Tue Aug 6 11:40:27 2024 +0530
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file2
create mode 100644 file3
create mode 100644 file4
Successfully rebased and updated refs/heads/master.
```

git rm <filename>:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ ls
file1 file2 file3 file4

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git rm file1
rm 'file1'

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git commit -m "deleted file1"
[master 604031e] deleted file1
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 file1

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ ls
file2 file3 file4
```

.gitignore:

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ vi .gitignore

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time G
it touches it

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git commit -m ".gitignore"
[master 3e87f8b] .gitignore
1 file changed, 1 insertion(+)
create mode 100644 .gitignore

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git status
On branch master
nothing to commit, working tree clean

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ touch 1.txt 2.txt 3.txt 4.class 5.class 6.java

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git add .

DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   1.txt
        new file:   2.txt
        new file:   3.txt
        new file:   6.java
```

Github

Fork

sunilb66 / java-hello-world-with-maven

Q Type [7] to search

<> Code Pull requests Actions Projects Security Insights

java-hello-world-with-maven Public

forked from jadedhasan21/java-hello-world-with-maven

Watch 0 Fork 11 Star 0

Fork your own copy of sunilb66/java-hello-world-with-maven

master 1 Branch 0 Tags

Go to file Add file <> Code

This branch is up to date with jadedhasan21/java-hello-world-with-maven:master.

commit	message	time
jadedhasan21	update gitignore	90e9979 · 6 months ago 24 Commits
	src/main/java/hello	changes in Greeter file 3 years ago
	.gitignore	update gitignore 6 months ago
	.whitesource	Add .whitesource configuration file 2 years ago
	Jenkinsfile	ci: added java 2 years ago
	README.md	update: doc 5 years ago
	pom.xml	upadte: mvn compiler source & target to java 8 6 months ago

<https://github.com/sunilb66/java-hello-world-with-maven/blob/master/src/main/java/hello/Greeter.java>

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

11 forks

Report repository

Releases

No releases published

Packages

Give the name to the create new repository

sunilb66 / java-hello-world-with-maven

Q Type [f] to search

+

⌵

🕒

🔗

📧

🌐

<> Code

🔗 Pull requests

🕒 Actions

📁 Projects

🔒 Security

📊 Insights

Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project. [View existing forks.](#)

Required fields are marked with an asterisk (*).

Owner *

manishhammagi

/

Repository name *

java-hello-world-with-ma

🟢 java-hello-world-with-maven is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

☒ Copy the master branch only

Contribute back to sunilb66/java-hello-world-with-maven by adding your own branch. [Learn more.](#)

Pull request

manishhammagi / June_2024

Q Type [f] to search

+

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<> Code

🔗 Issues

🔗 Pull requests

🕒 Actions

📁 Projects

📖 Wiki

🔒 Security

📊 Insights

⚙️ Settings

Label issues and pull requests for new contributors

Dismiss

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)

🔗 feature1 had recent pushes less than a minute ago

Compare & pull request

Filters

Q is:pr is:open

🏷️ Labels 9

📅 Milestones 0

New pull request

🔗

Welcome to pull requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

Create pull request

base: main

compare: feature1

✓ Able to merge. These branches can be automatically merged.

Add a title

Create manish

Add a description

WritePreview

Add your description here...

Markdown is supportedPaste, drop, or click to add files

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

[GitHub Community Guidelines](#)

Merge pull request

Create manish #1

Open

manishhammagi wants to merge 1 commit into `main` from `feature1`

Conversation 0

Commits 1

Checks 0

Files changed 1

+1 -0

manishhammagi commented now

Owner

...

No description provided.

Create manish

Verified

209b1dd

Require approval from specific reviewers before merging

Rulesets ensure specific people approve pull requests before they're merged.

Add rule

X

Continuous integration has not been set up

GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also open this in GitHub Desktop or view command line instructions.

Reviewers

None yet

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these

Git clone:

Copy the ssh url after generating the ssh key.

The screenshot shows the GitHub interface for a repository named 'June_2024' by user 'manishhammagi'. The repository is public and has 3 branches and 0 tags. A file list is displayed with the following files and their commit messages:

File	Commit Message
README.md	Initial commit
file0	Create file0
file1	Create file1
manish	Create manish
new_file	Create new_file
old_file	adding old_file

A 'Clone' dropdown menu is open, showing options for 'Local' and 'Codespaces'. The 'SSH' option is selected, and the URL 'git@github.com:manishhammagi/June_2024.git' is displayed with a copy icon. Below the URL, it says 'Use a password-protected SSH key.' Other options include 'Open with GitHub Desktop' and 'Download ZIP'.

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo (master)
$ git clone git@github.com:manishhammagi/June_2024.git
Cloning into 'June_2024'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 18 (delta 3), reused 3 (delta 1), pack-reused 0
Receiving objects: 100% (18/18), 5.43 KiB | 370.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.
```

Git push:


```
DELL@DELL-7490CH11 MINGW64 /d/git_repo/June_2024 (main)
$ touch man

DELL@DELL-7490CH11 MINGW64 /d/git_repo/June_2024 (main)
$ git add man

DELL@DELL-7490CH11 MINGW64 /d/git_repo/June_2024 (main)
$ git commit -m "man"
[main 1f0d4cc] man
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 man

DELL@DELL-7490CH11 MINGW64 /d/git_repo/June_2024 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 213 bytes | 213.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:manishhammagi/June_2024.git
   8a72834..1f0d4cc  main -> main
branch 'main' set up to track 'origin/main'.
```

Git pull

```
DELL@DELL-7490CH11 MINGW64 /d/git_repo/June_2024 (main)
$ git pull origin main
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 912 bytes | 1024 bytes/s, done.
From github.com:manishhammagi/June_2024
 * branch            main       -> FETCH_HEAD
  1f0d4cc..25f9f27  main       -> origin/main
Updating 1f0d4cc..25f9f27
Fast-forward
 man_2 | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 man_2
```