



Github

GitHub upload new projects on github by
commands using git bash



About Github

GitHub, Inc. is a provider of Internet hosting for software development and version control using Git. It offers the distributed version control and source code management functionality of Git, plus its own features. Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.



Github architecture





What are Git & Github





What are Git & Github

Git: Git is a distributed version control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files. Its goals include speed, data integrity, and support for distributed, non-linear workflows.

GitHub: GitHub is a web-based Git repository hosting service, which offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features.



How to download git

**Using git bash: self github cli interface for command line
Download git**

<https://git-scm.com/download/win>

Note : we are using git bash to upload projects on github you can use normal command line or git desktop app also to upload projects on github.



Upload new projects or file on Github

important command

Git bash commands

```
Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g
```

```
$ mkdir testing
```

```
Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g
```

```
$ cd testing/
```



Git bash commands

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing

\$ touch testing.html

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing

\$ dir

testing.html

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing

\$ notepad testing.html

cat testing.html



Git bash commands

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing

\$ cat testing.html

hi my name is brijesh just it for testing

alias brijesh pandey

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing

Check status on git

\$ git status

Initialised git

git init



Git bash commands

Check status on git

\$ git status

On branch master

No commits yet

Untracked files:

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

testing.html

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

Now we add in git

git add .



Git bash commands

Now check file is added on master branch or not

```
Brijesh_Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing  
(master)
```

\$ git commit -m 'my first testing file added'

```
[master (root-commit) 5946c6e] my first testing file added  
1 file changed, 2 insertions(+)  
create mode 100644 testing.html
```

To check git id

```
Brijesh_Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing  
(master)
```

\$ git log



Git bash commands

commit5946c6ea031cfb5a8481d02dd3dc3f5a5283f89b (HEAD
-> master)

Author: unknown <bkpandey.pandey@gmail.com>

Date: Fri Jul 15 13:12:34 2022 +0530

my first testing file added

To short our git id

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing
(master)

\$ git log --oneline

5946c6e (HEAD -> master) my first testing file added



Git bash commands

Add our local file on remote or our server repository

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing
(master)

\$ git remote

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64/g/testing
(master)

\$ git remote add origin

<https://github.com/Brijesh1990/testingapp.git>



Git bash commands

How to check origin is connected or not ..

\$ git remote -v

origin https://github.com/Brijesh1990/testingapp.git (fetch)

origin https://github.com/Brijesh1990/testingapp.git (push)

How to send or push file on remote or git server by origin or master

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing
(master)

\$ git push -u origin master



Git bash commands

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Delta compression using up to 4 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 279 bytes | 23.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To <https://github.com/Brijesh1990/testingapp.git>

* [new branch] master -> master
branch 'master' set up to track 'origin/master'.



Git bash commands

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Delta compression using up to 4 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 279 bytes | 23.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To <https://github.com/Brijesh1990/testingapp.git>

* [new branch] master -> master
branch 'master' set up to track 'origin/master'.



Git bash commands

How to change and commit on github

```
Brijesh_Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing  
(master)
```

```
$ notepad testing.html
```

Checked status

```
Brijesh_Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing  
(master)
```

```
$ git status
```

On branch master
Your branch is up to date with 'origin/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: testing.html

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



Git bash commands

After change code we reprocess all again

git init

git add code .

git commit -m 'new line added'

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing (master)

\$ git commit -m 'new line added'

[master 0d9ecbb] new line added

1 file changed, 2 insertions(+), 1 deletion(-)



Git bash commands

Checked status

git status

git log

```
Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing (master)
$ git log
commit 0d9ecbb4e8d3f8e769ddb827567bc12793597707 (HEAD -> master)
Author: unknown <bkpandey.pandey@gmail.com>
Date: Fri Jul 15 13:56:35 2022 +0530
```

new line added

```
commit 5946c6ea031cfb5a8481d02dd3dc3f5a5283f89b (origin/master)
Author: unknown <bkpandey.pandey@gmail.com>
Date: Fri Jul 15 13:12:34 2022 +0530
```

my first testing file added



Git bash commands

Check oneline

Git log --oneline

Git log --oneline -1

Push new content

Git push -u origin master

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing (master)

\$ git push -u origin master

```
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), 324 bytes | 81.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Brijesh1990/testingapp.git
  5946c6e..0d9ecbb master -> master
branch 'master' set up to track 'origin/master'.
```



Git bash commands

How to clone projects in local PC ..

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /g/testing (master)

\$ cd d:

Brijesh Pandey@DESKTOP-IBTQDCI MINGW64 /d

\$ git clone https://github.com/Brijesh1990/testingapp.git

Cloning into 'testingapp'...

remote: Enumerating objects: 6, done.

remote: Counting objects: 100% (6/6), done.

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

remote: Total 6 (delta 1), reused 5 (delta 0), pack-reused 0

Receiving objects: 100% (6/6), done.

Resolving deltas: 100% (1/1), done.



Git bash commands

End.....

Thanks :))