



Indira College of Commerce and Science, Pune.

GIT ...BIT BY BIT

A Beginner's Guide

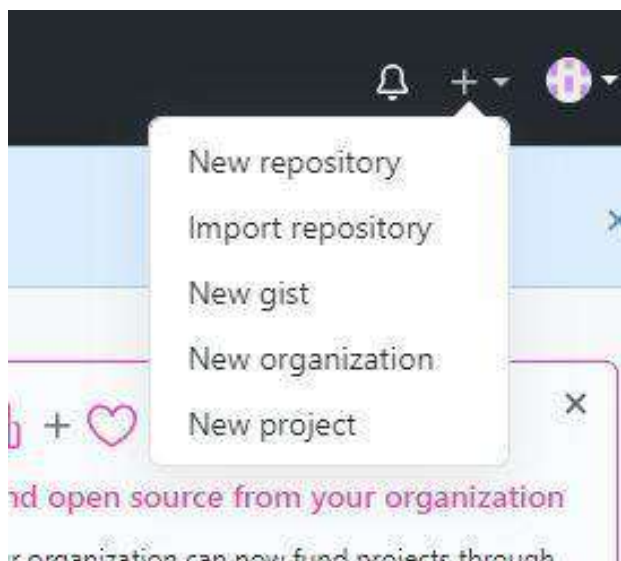
Created By

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Git


Section: 21-03-21

1. Create a folder in our desktop where we need to store our file.
2. Create a file (any file) in that folder or copy any files and paste that file here in our folder.
3. Now go to your github page and create a [new repository](#)




4. Create repository


Owner * / Repository name *

 csjob / firstfile

Great repository name: firstfile is available. memorable. Need inspiration? How about [fantastic-funicular?](#)

Description (optional)

☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☐ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more.](#)

[Create repository](#)

5. You can see this page



Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) <https://github.com/csjob/firstfile.git>

Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

...or create a new repository on the command line

```
echo "# firstfile" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/csjob/firstfile.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/csjob/firstfile.git
git branch -M main
git push -u origin main
```

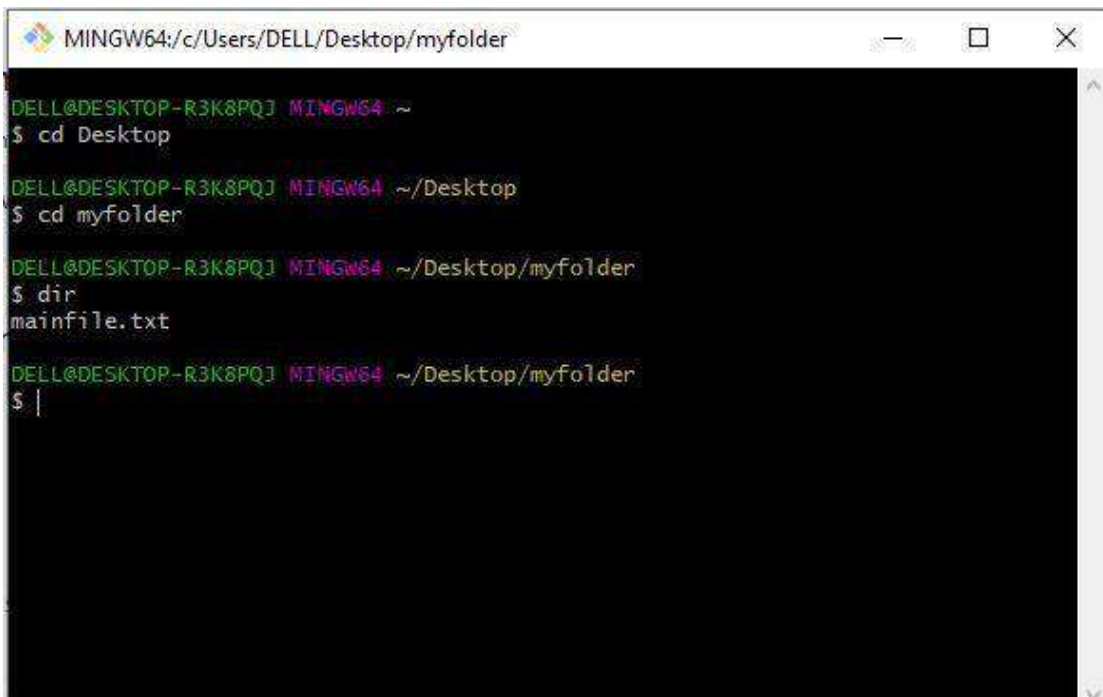
6. Open git bash in your system and go to the folder in which our file is present

For going to any folder, in windows we can use “**cd folder-name**”
for Linux, open your terminal from that particular folder.

For seeing the files or content inside the folder we can use:

“dir” -windows

“ls” -mac/linux



```
MINGW64:/c/Users/DELL/Desktop/myfolder

DELL@DESKTOP-R3K8PQJ MINGW64 ~
$ cd Desktop

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop
$ cd myfolder

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder
$ dir
mainfile.txt

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder
$ |
```

7. Now I need to initialize my git in this folder

For initializing git:

> `git init`

8. for adding the file to git:

> `git add --all` or `git add filename`

9. for committing our file:

> `git commit -m "message"`

10. you can change or create a new branch.

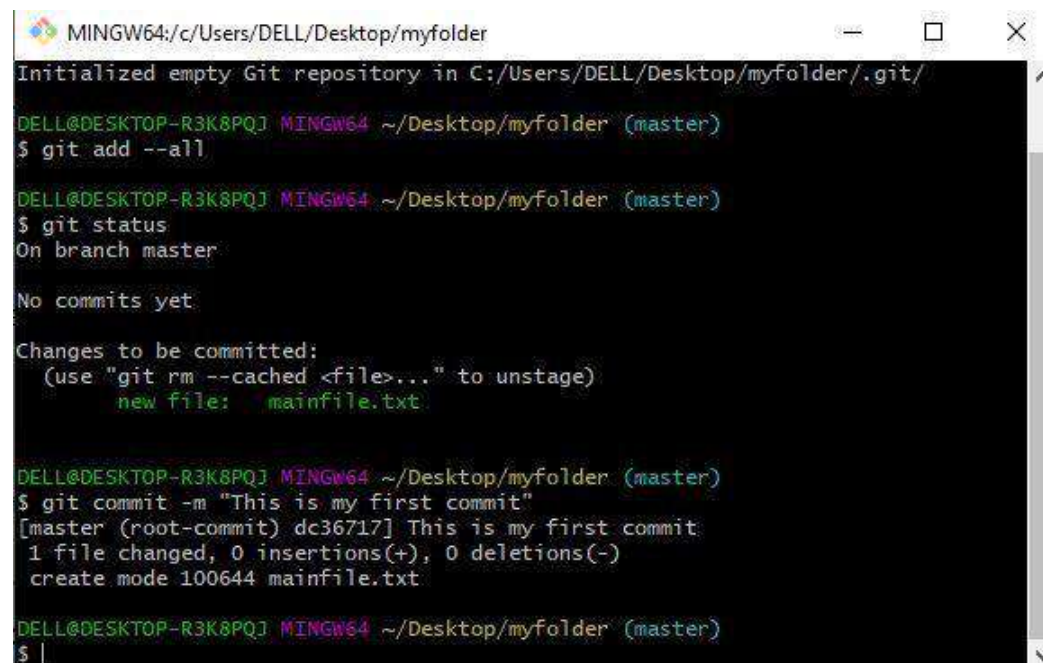
Here, Desktop/myfolder (master) ← this is my branch name.

I can change this branch name like,

> `git branch -M main`

now I am in (main) branch

(it's not necessary to take the main branch only. You can create or take any branch.)

A screenshot of a Windows terminal window titled "MINGW64: c:/Users/DELL/Desktop/myfolder". The terminal shows the following commands and output:

```
Initialized empty Git repository in C:/Users/DELL/Desktop/myfolder/.git/
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git add --all
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   mainfile.txt
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git commit -m "This is my first commit"
[master (root-commit) dc36717] This is my first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 mainfile.txt
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ |
```

As I have changed the branch from master to main, right now I'm in main branch

```
MINGW64/c/Users/DELL/Desktop/myfolder
$ git add --all

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   mainfile.txt

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git commit -m "This is my first commit"
[master (root-commit) dc36717] This is my first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 mainfile.txt

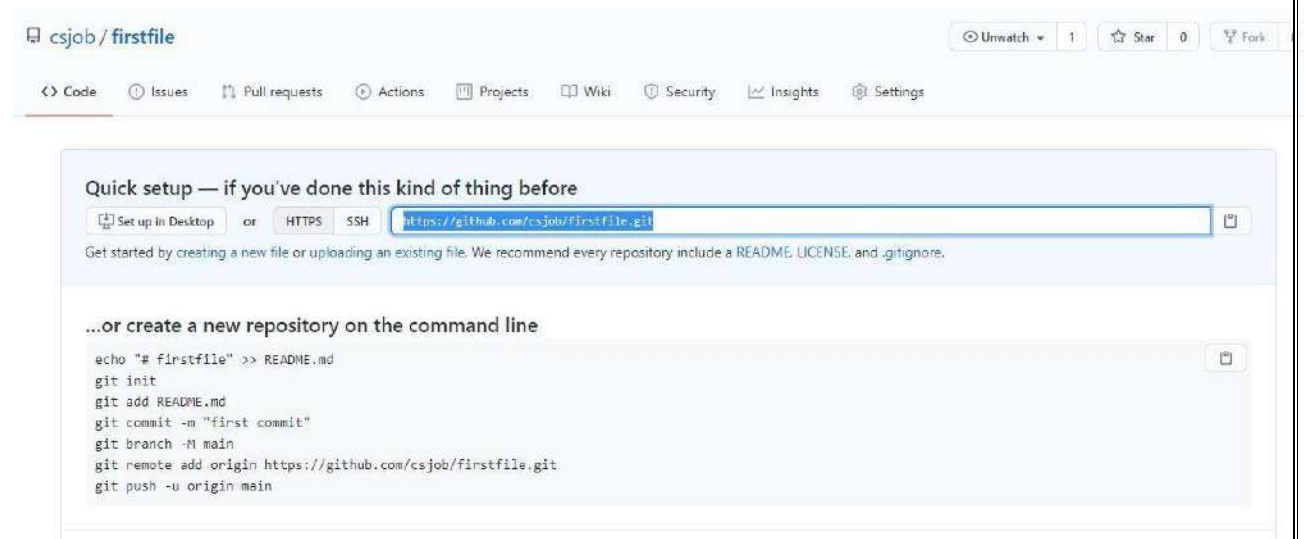
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git branch -M main

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (main)
$ |
```

11. I need to copy my repository link from my github and I need to assign here in git.

For getting the repository link, you can go to your github page and open the repository then in that page you can find your repository link.

eg: (<https://github.com/csjob/firstfile.git>)



12. comeback to our git bash and type:

> `git remote add origin https://github.com/csjob/firstfile.git` <-paste your link here

13. finally for pushing our file to git hub,

> `git push -u origin main` (main) <- this main is your branch

After pushing our file, we can see like this:

 MINGW64:/c/Users/DELL/Desktop/myfolder

```
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder
$ git init
Initialized empty Git repository in C:/Users/DELL/Desktop/myfolder/.git/

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git add --all

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   mainfile.txt

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git commit -m "This is my first commit"
[master (root-commit) dc36717] This is my first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 mainfile.txt

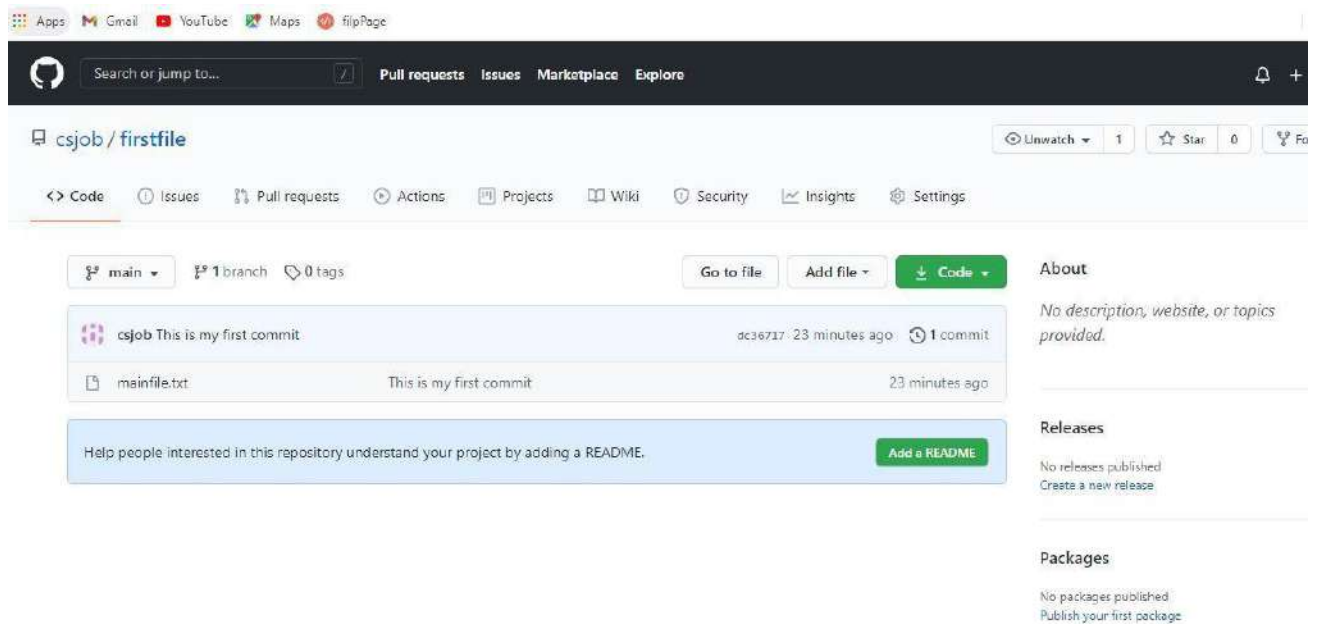
DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (master)
$ git branch -M main

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (main)
$ git remote add origin https://github.com/csjob/firstfile.git

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 223 bytes | 74.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/csjob/firstfile.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

DELL@DESKTOP-R3K8PQJ MINGW64 ~/Desktop/myfolder (main)
$ |
```


Now check your github page and after refreshing the repository you can able to see your files there.



-----This is how we can push our files to github-----