

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git  
$ touch Git
```

The Command `touch Git` creates an empty file named `Git` in the current folder .
If a folder named `Git` already exists. It shows an error and the file is not created.

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git
$ git init
Initialized empty Git repository in C:/Users/Yash/Desktop/Git/.git/
```

It initializes a new Git repository in your current folder.

It creates a hidden folder named `.git` , which stores all the version control data(like commits , branches etc)

In short –

Git init makes your folder a Git repo so you can track changes , commit code , and use Git commands.

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git (master)  
$ git branch -M main
```

It renames the current branch to main

If you are on a branch (eg ., master), this command changes its name to main. Useful when u want to switch to main as the default branch name .

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git (main)  
$ git remote add origin https://github.com/yash191stack/Git.git
```

It connects your local Git repo to a remote repo(like on Github) with the name origin.

It tells Git,

“This is where to push/pull code online.”

Now you can use commands like git push origin main.

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git (main)  
$ git add Git
```

This stages the file or folder named Git for the next commit.

If git is a file. That file is staged.

If Git is a folder, all files inside it are staged.

In short –

Prepares Git(file or folder) to be saved in the next commit.

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git (main)
$ git commit -m"Instructions"
[main 5194644] Instructions
 1 file changed, 11 insertions(+)
```

It saves (commits) all staged changes with a message “Instructions” describing what you did .

In short –

Creates a snapshot of your code with the message “Instructions” .

It’s like saying “Save my work with this note.”

```
Yash@NITROV-LF MINGW64 ~/Desktop/Git (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 436 bytes | 218.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/yash191stack/Git.git
   2c91f6b..5194644  main -> main
```

It uploads your commits from the local main branch to the remote repo named as origin (like Github).

In short –

Sends your code to Github (or remote) on the main branch .