For windows user :
create a folder
go inside the folder
right click inside the folder -> show more options (if using windows 11) -> click open git bash here

A black screen will appear in front of u

# if you are working on ubuntu OS (ec2)
sudo su
apt update
apt install git -y
mkdir project-code
cd project-code

we need to initialize this folder/directory as git folder because i need to save the code which is present in this folder as a version

git init ✓

if u dont run git init you will not be able to run any git based commands and will not be able to save code as version in this folder

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/project-code
$ git init
Initialized empty Git repository in C:/Users/aksha/OneDrive/Desktop/project-code/.git/

aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/project-code (master)
$
```

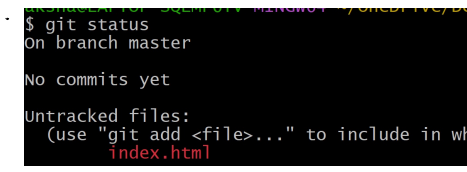
now lets create a file with name index.html with content hello world

vi index.html ✓
press i
hello world
press esc :wq

① By default git will not track your files.

index.html
(Hello world)

→ If we make any changes to the file git will keep telling you that file is untracked.
(git status)



② we will start tracking the file. command ↓ git add filename. in which we will tell the git that index.html file has helo world as content. Start tracking the content. Now if you make any changes to content of file git will immediately tell you.

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/proj
$ git add index.html
warning: in the working copy of 'index.html', LF will
ouches it

aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/proj
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html
```

start tracking index.html

green color means git is tracking content of file.

now lets make some changes in index.html file and lets see if git is able to tell that there is some difference in the file content

vi index.html
hello world
hi akshat

add this line.

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/project-code (master)
$ vi index.html

aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/project-code (master)
$ git status
On branch master

No commits yet

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

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:   index.html
```

hello world

hello world
hi akshat

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