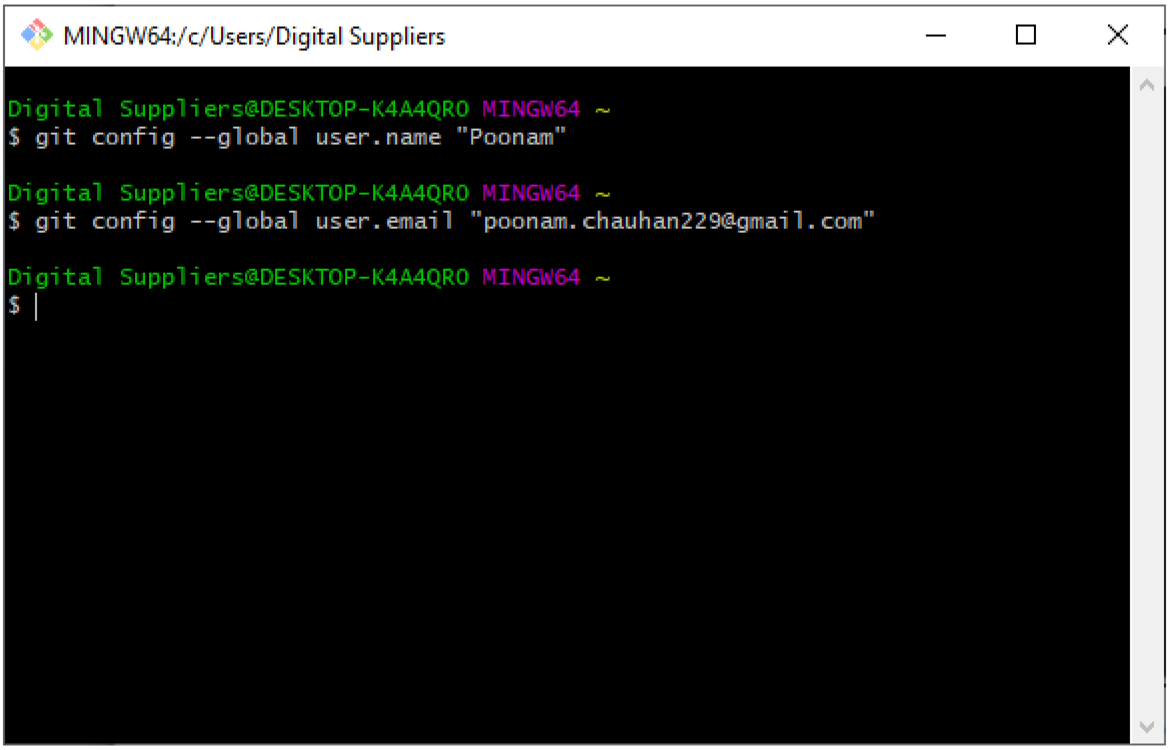
Setting up Git Bash and Pushing files to a GitHubRepository

Setting up Git Bash and Pushing Files to a GitHub Repository

1. First, you need to download and install gitbash app from the link https://git-scm.com/downloads. (Ignore this step if you have already installed gitbash onto you system. If you have not installed, install it.

2. After finishing installation, open the '**Git Bash App'**, and in the terminal type the following commands in sequence to configure gitbash with your GitHub **username** and **email address**.

```
git config --global user.name “GitHub_user_name_here”

‘Press enter’

git config - -global user.email “GitHub_email_address_here”

‘Press enter’
```



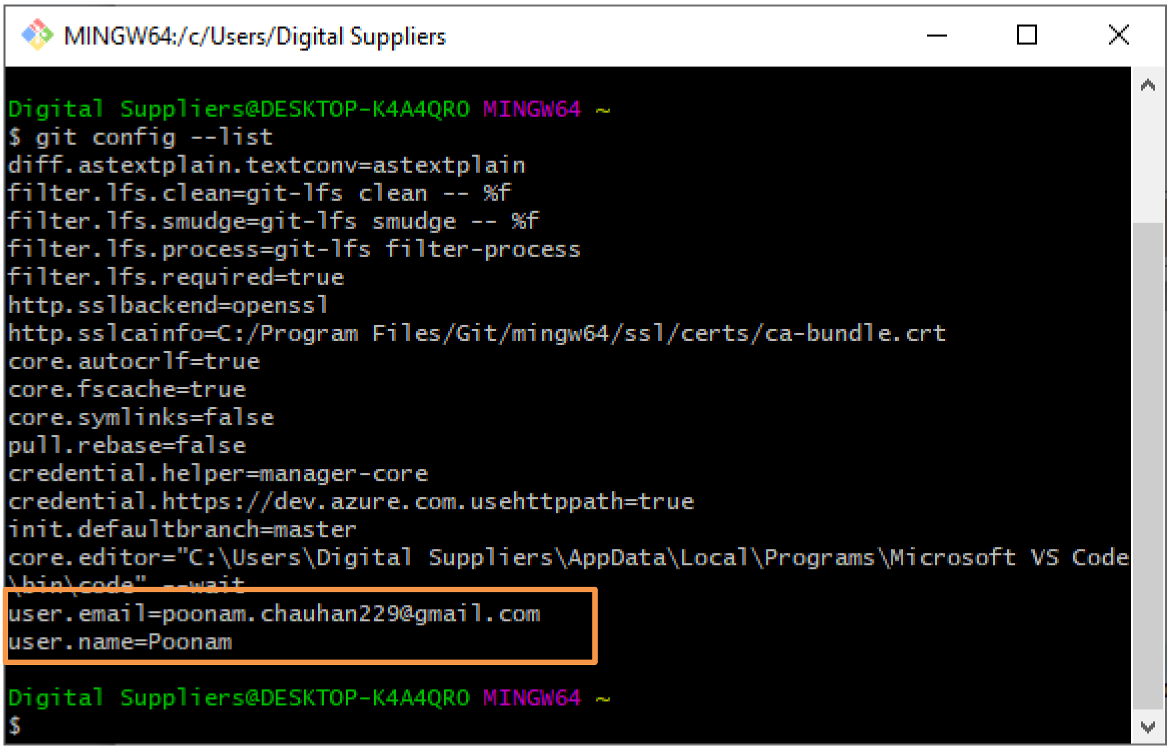
MINGW64:/c/Users/Digital Suppliers

```
Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 ~
$ git config --global user.name "Poonam"

Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 ~
$ git config --global user.email "poonam.chauhan229@gmail.com"

Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 ~
$ |
```

3. You can check whether you have configured with the correct details by typing the below command:

   `git config -list`

   ‘Press Enter’

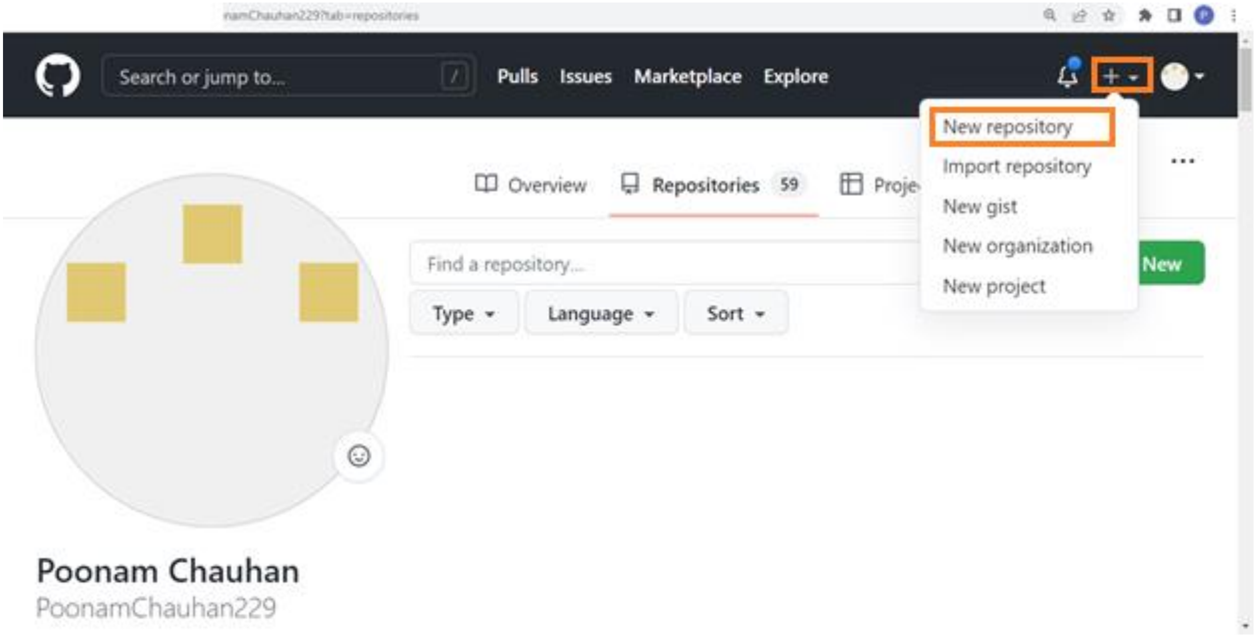


MINGW64:/c/Users/Digital Suppliers

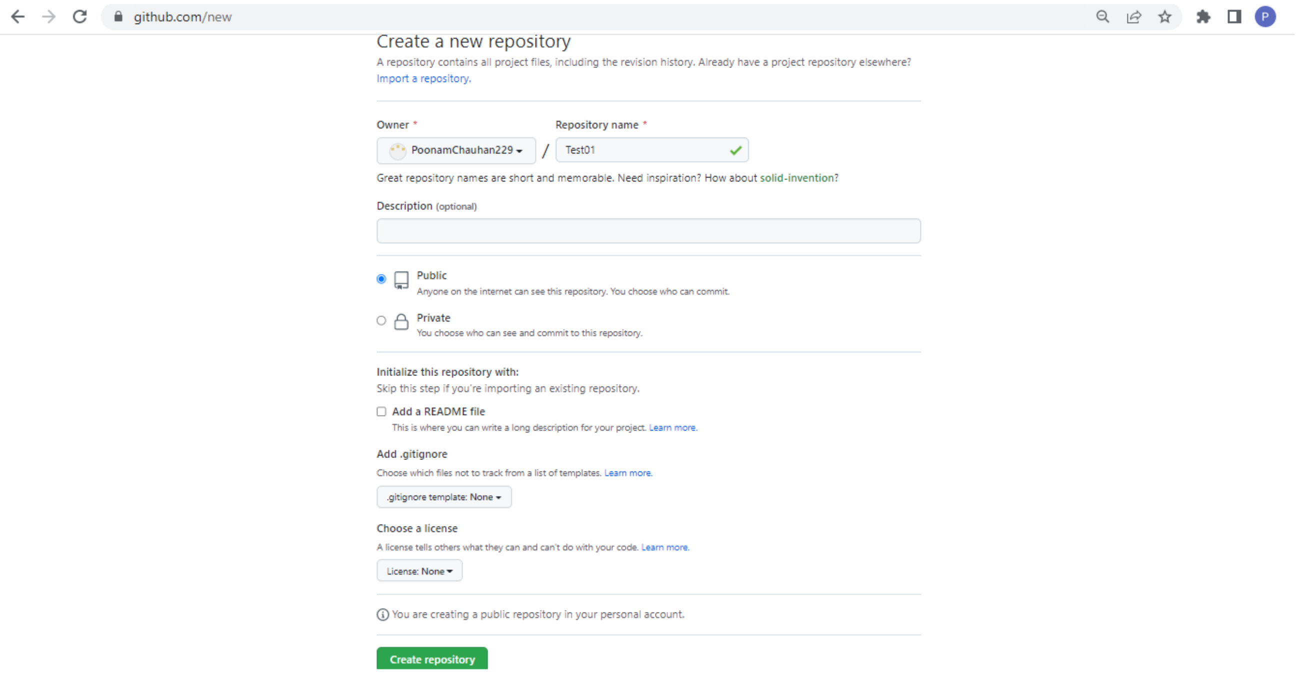
```
Digital Suppliers@DESKTOP-K4A4QRO MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
core.editor="C:\Users\Digital Suppliers\AppData\Local\Programs\Microsoft VS Code
\bin\code" --wait
user.email=poonam.chauhan229@gmail.com
user.name=Poonam

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 ~
$
```

You can now close the terminal.

4. Next, let us learn how to create a public repository. Log in to GitHub and then click on the **‘+’** symbol on the top right corner of the screen. Then click on ‘**New Repository**’.



5. Enter a **repository name** of your choice, an optional **Description,** choose **Public** option, and then click on **Create Repository.**



github.com/new

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Owner * PoonamChauhan229 / Repository name * Test01 ✓

Great repository names are short and memorable. Need inspiration? How about solid-invention?

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.

.gitignore template: None

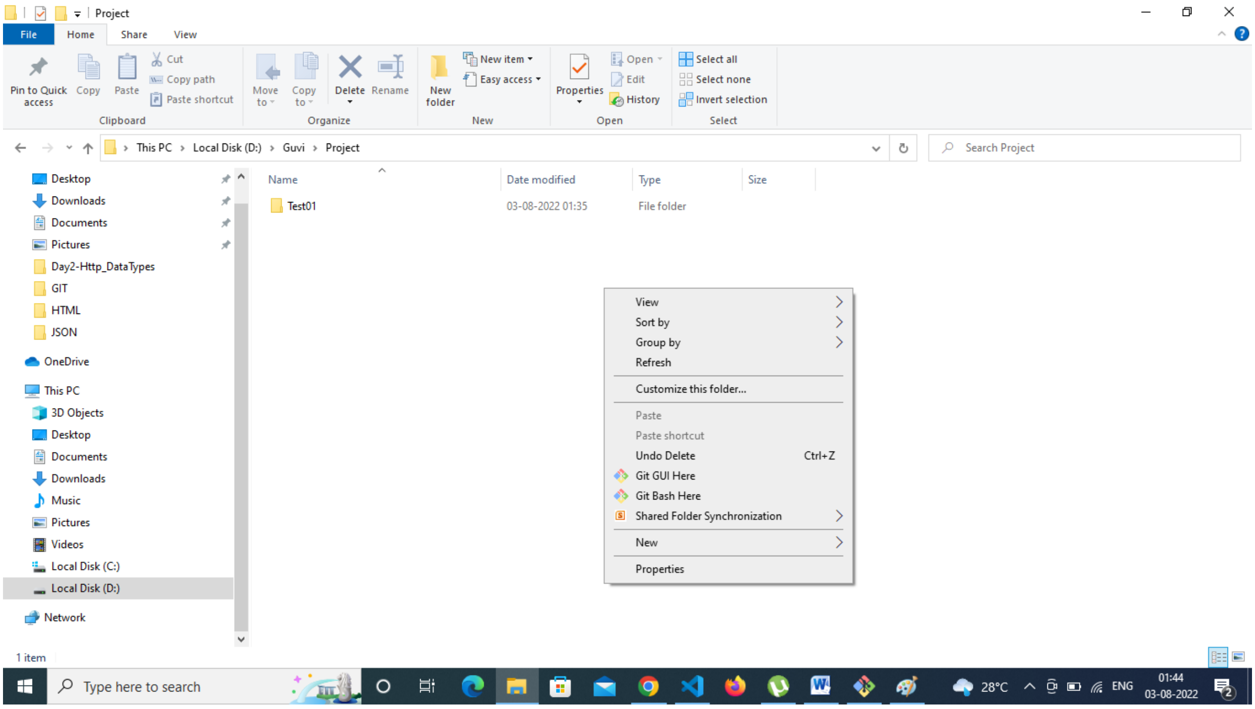
Choose a license
A license tells others what they can and can't do with your code. Learn more.

License: None

ⓘ You are creating a public repository in your personal account.

Create repository

6. In a location of your choice in your PC, create a new folder where you will be adding your codes. (I have created a folder named "**Project**" inside any folder for demo purpose. Open the folder and right click anywhere on the screen. Then click on "**Git Bash Here**" to open the terminal.

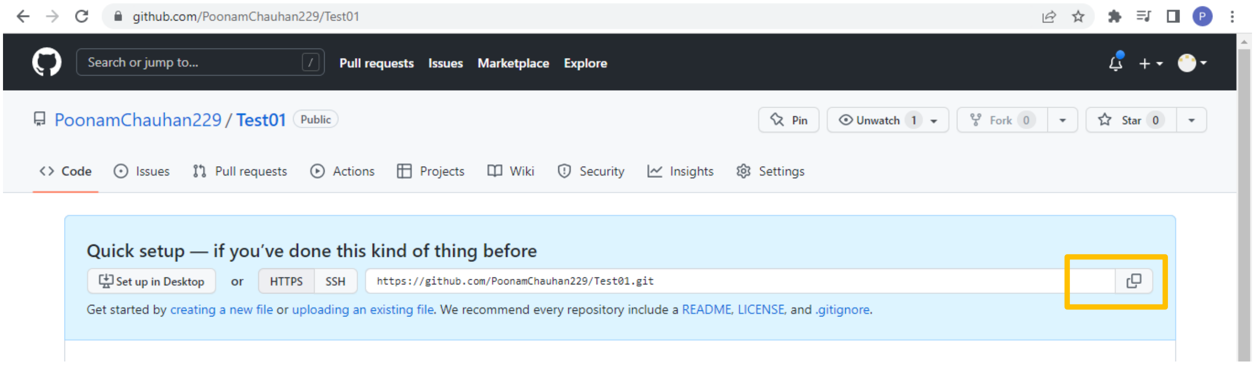


Project

This PC › Local Disk (D:) › Guvi › Project

Name	Date modified	Type	Size
Test01	03-08-2022 01:35	File folder	

7. Open the newly created repository from your GitHub account and click on the ‘copy’ symbol to copy the HTTP link (which will be used while cloning).



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

https://github.com/PoonamChauhan229/Test01.git

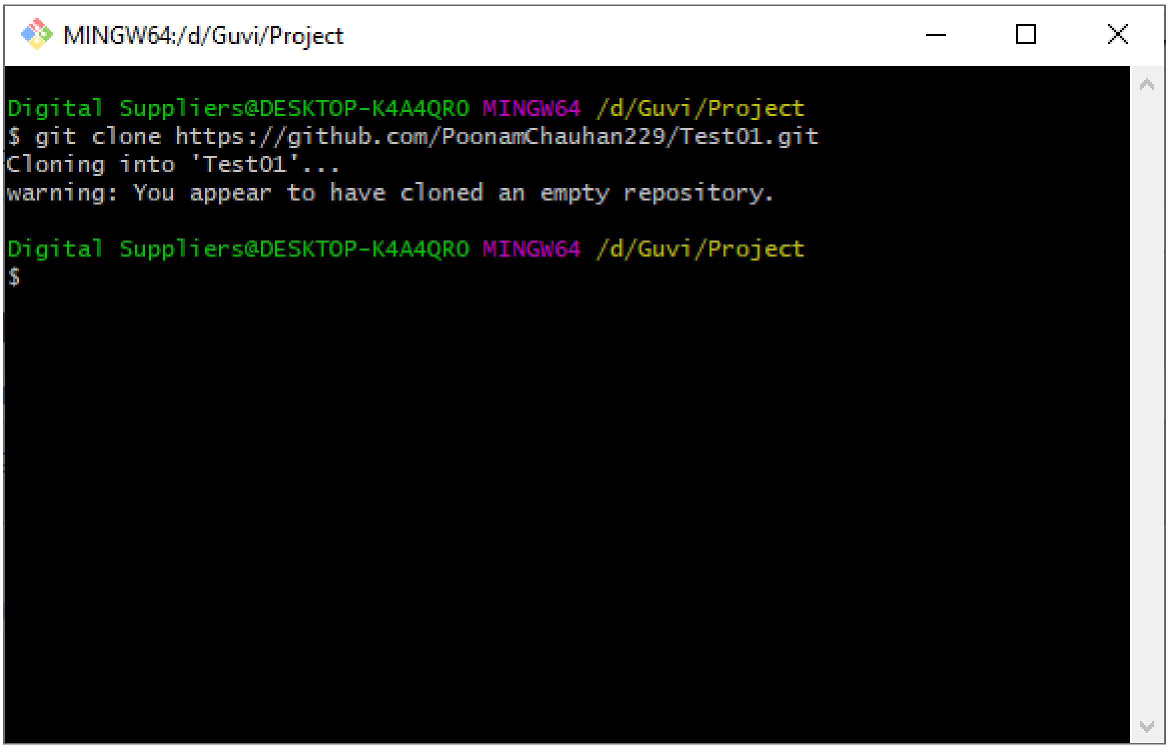
Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

8. Open the terminal and type the command below:

git clone (right click and *Paste* the copied link)

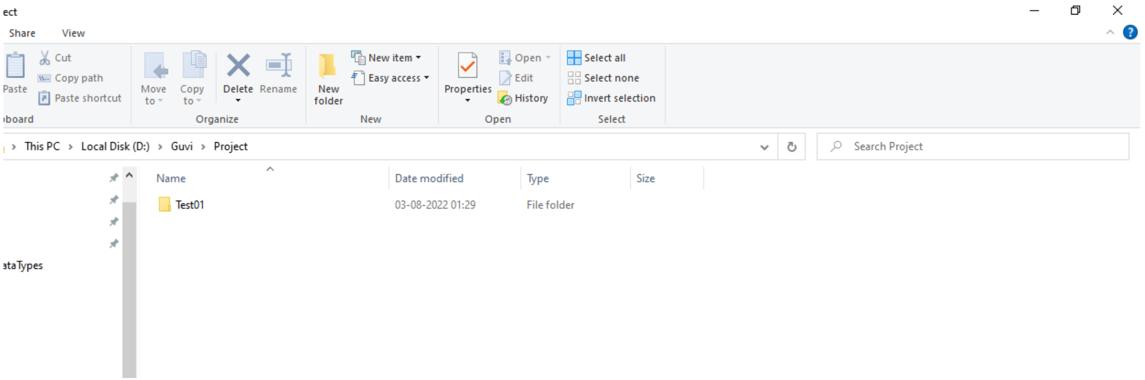
‘Press Enter’

(For demo purpose, I have used the link of my own repository, but the process will be the same).



```
Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project
$ git clone https://github.com/PoonamChauhan229/Test01.git
Cloning into 'Test01'...
warning: You appear to have cloned an empty repository.

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project
$
```

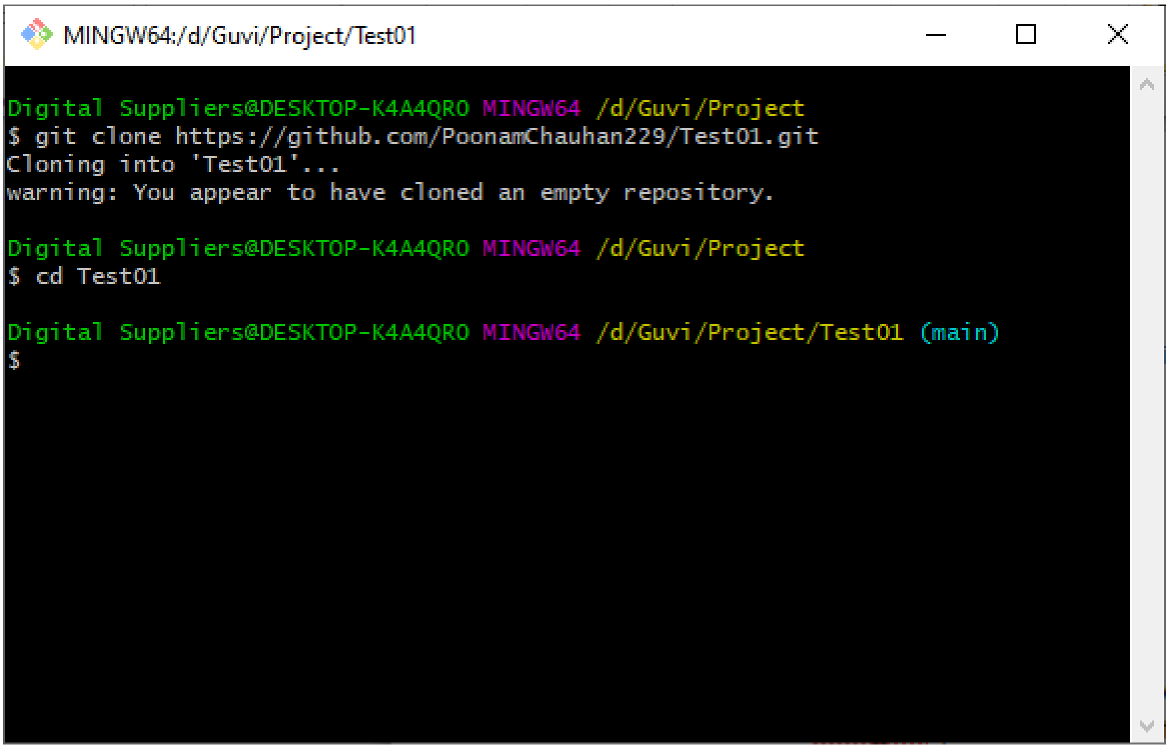
9. You fill now find a folder with the same name as the name of the repository, inside the folder you have created (**Test01** in this case).



10. Change the directory in the terminal to get inside **Test01** folder by typing the below command:

```
cd Test01
```

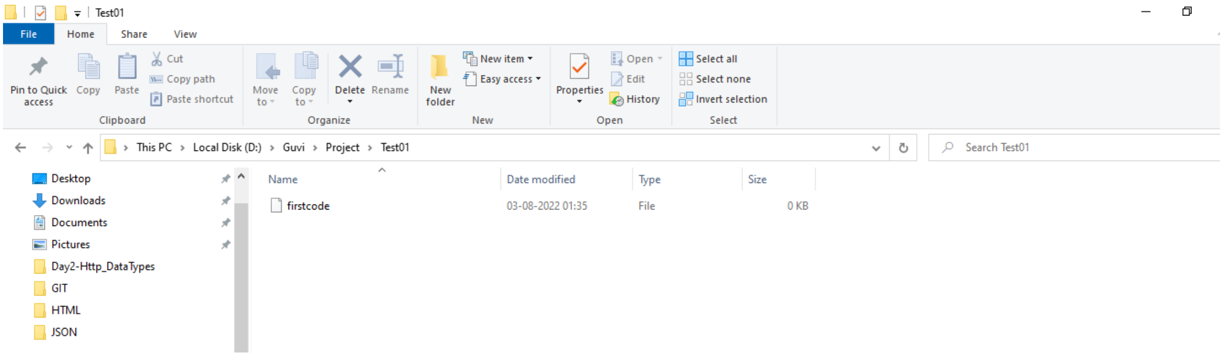
'Press Enter'



```
MINGW64:/d/Guvi/Project/Test01

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project
$ git clone https://github.com/PoonamChauhan229/Test01.git
Cloning into 'Test01'...
warning: You appear to have cloned an empty repository.

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project
$ cd Test01

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$
```

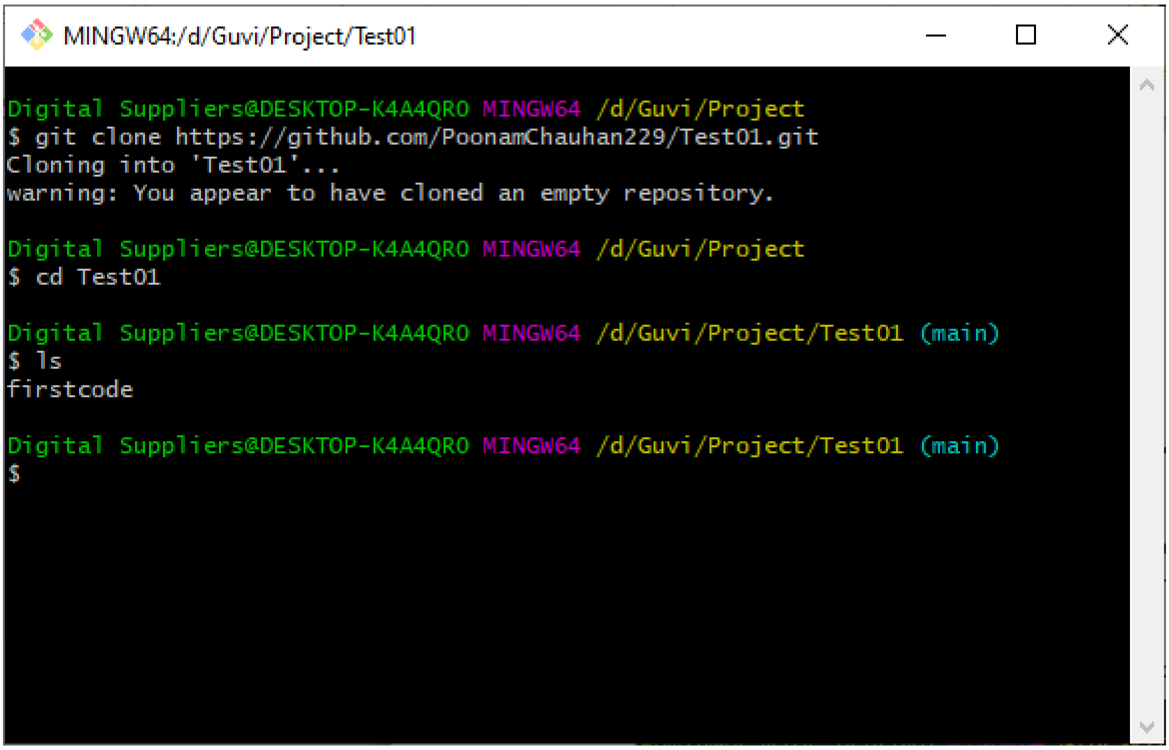
11. Open any text editor where you have written your code and save it with any suitable name inside the same folder 'Test01' (**Note**: The name of the folder will be different in your case. It will be the same as the name of the repository).

    (I have used Notepad for demo purpose, and saved the file with the name '**firstcode**' inside '**Test01**' folder).



Name	Date modified	Type	Size
firstcode	03-08-2022 01:35	File	0 KB

12. In the terminal, type **ls** and press enter, to check the list of files in the folder. You will be able to find the new file in the list of files (**firstcode** in this case).



```
Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 /d/Guvi/Project
$ git clone https://github.com/PoonamChauhan229/Test01.git
Cloning into 'Test01'...
warning: You appear to have cloned an empty repository.

Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 /d/Guvi/Project
$ cd Test01

Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 /d/Guvi/Project/Test01 (main)
$ ls
firstcode

Digital Suppliers@DESKTOP-K4A4QR0 MINGW64 /d/Guvi/Project/Test01 (main)
$
```

13. You now need to write the following commands to **add, commit** and **push** the file to the repository.

    `git add .`

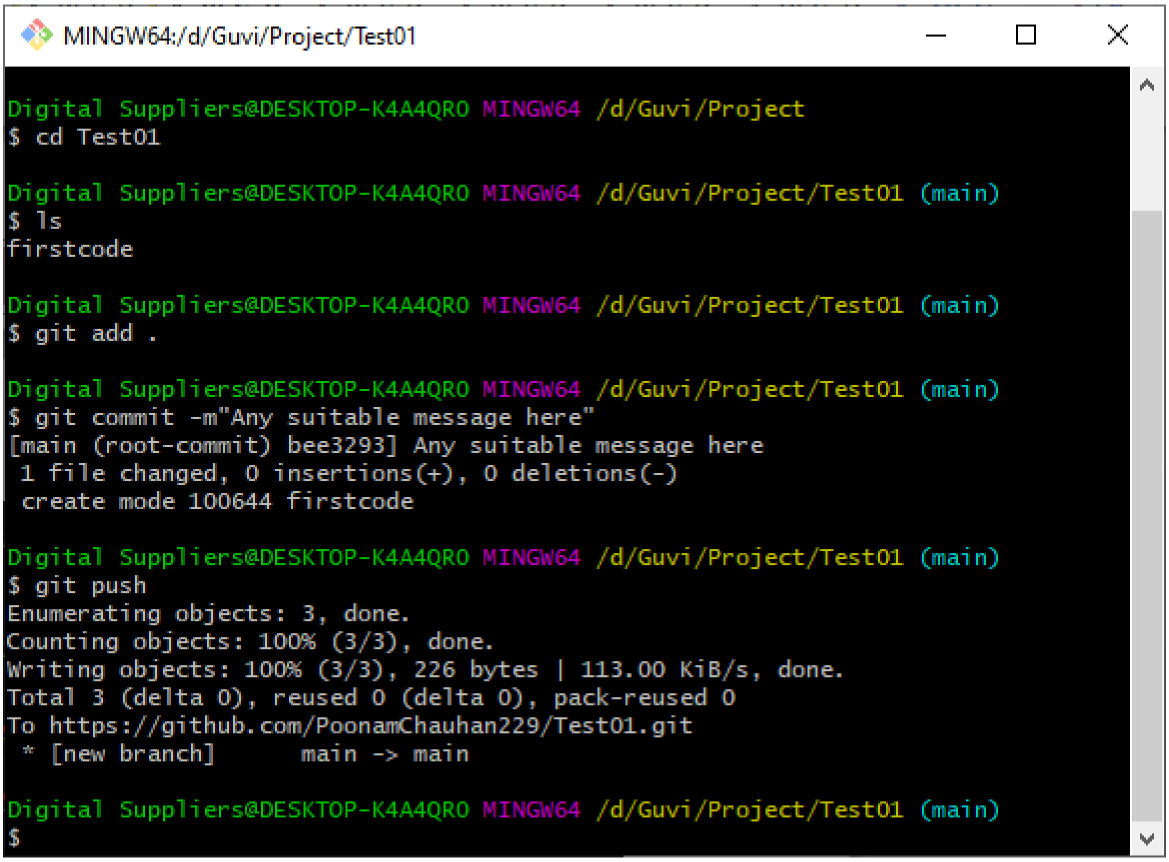
    `‘Press Enter’`

    `git commit -m “Any suitable message”`

    `‘Press Enter’`

    `git push`

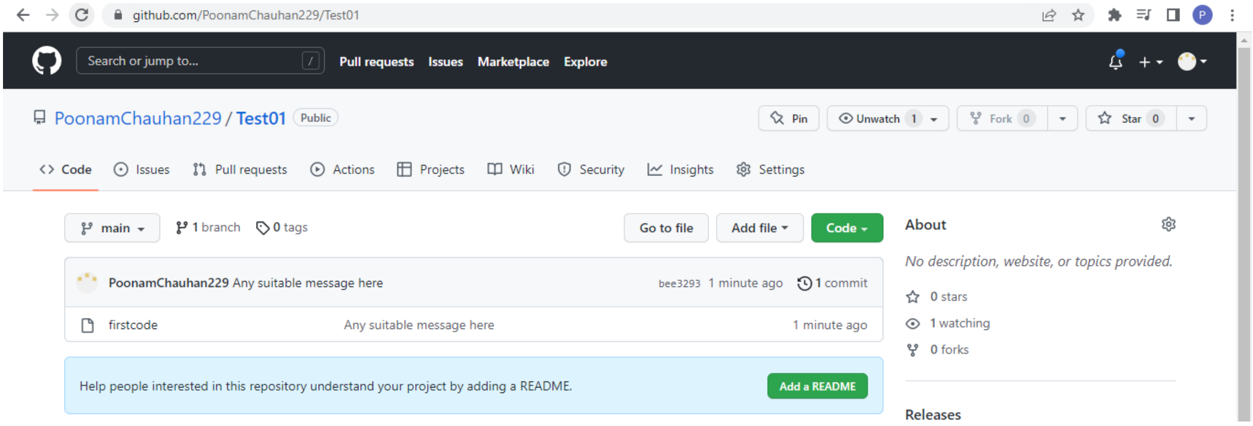
    `‘Press Enter’`



MINGW64:/d/Guvi/Project/Test01

```
Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project
$ cd Test01

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$ ls
firstcode

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$ git add .

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$ git commit -m"Any suitable message here"
[main (root-commit) bee3293] Any suitable message here
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 firstcode

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 226 bytes | 113.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/PoonamChauhan229/Test01.git
 * [new branch]      main -> main

Digital Suppliers@DESKTOP-K4A4QRO MINGW64 /d/Guvi/Project/Test01 (main)
$
```

14. If you now open the repository in your browser and refresh, you will be able to find the newly added file there.



github.com/PoonamChauhan229/Test01

PoonamChauhan229 / Test01 Public

main · 1 branch · 0 tags

PoonamChauhan229 Any suitable message here — bee3293 1 minute ago — 1 commit

firstcode	Any suitable message here	1 minute ago

Help people interested in this repository understand your project by adding a README.

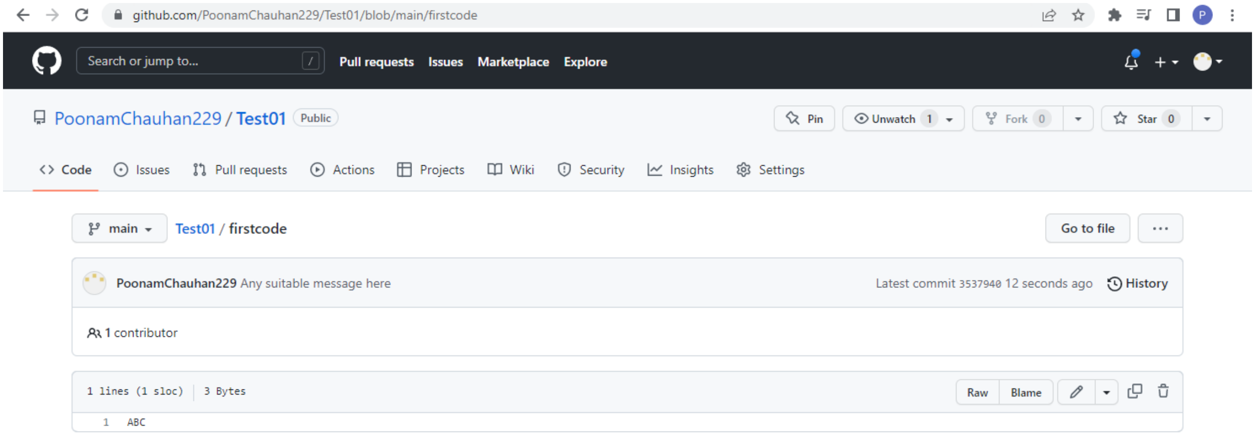
About

No description, website, or topics provided.

0 stars
1 watching
0 forks

Releases

15. Click on the file to see the content inside it.



github.com/PoonamChauhan229/Test01/blob/main/firstcode

PoonamChauhan229 / Test01 Public

main · Test01 / firstcode

PoonamChauhan229 Any suitable message here — Latest commit 3537940 12 seconds ago — History

1 contributor

1 lines (1 sloc) | 3 Bytes

```
1   ABC
```