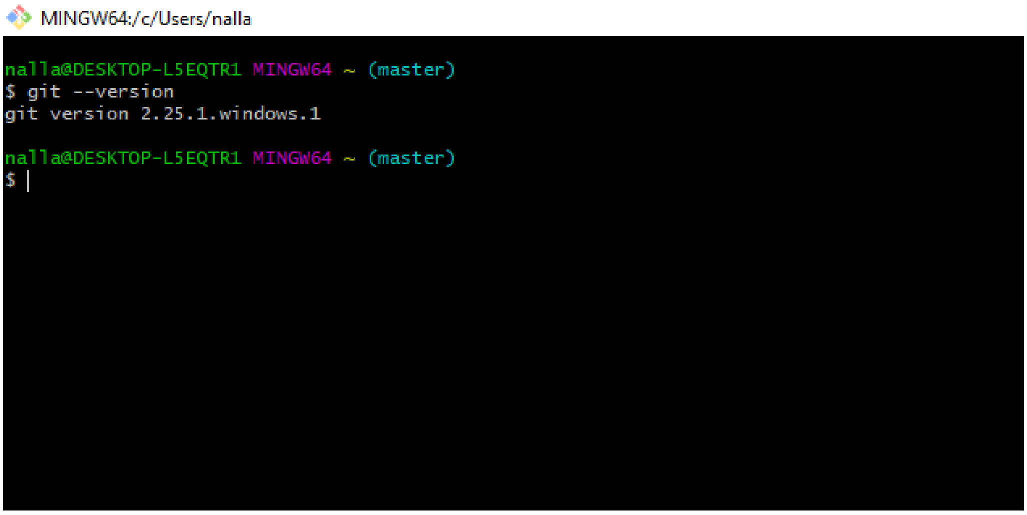
Deploy to GitHub via Git

Step-1: Install Git

Link- https://gitforwindows.org/

Step-2: Git is already installed in your lab. You can check the version of git by executing the below command in the terminal.

$ git –version



```
nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git --version
git version 2.25.1.windows.1

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ |
```

Step-3: Set up your GitHub account.

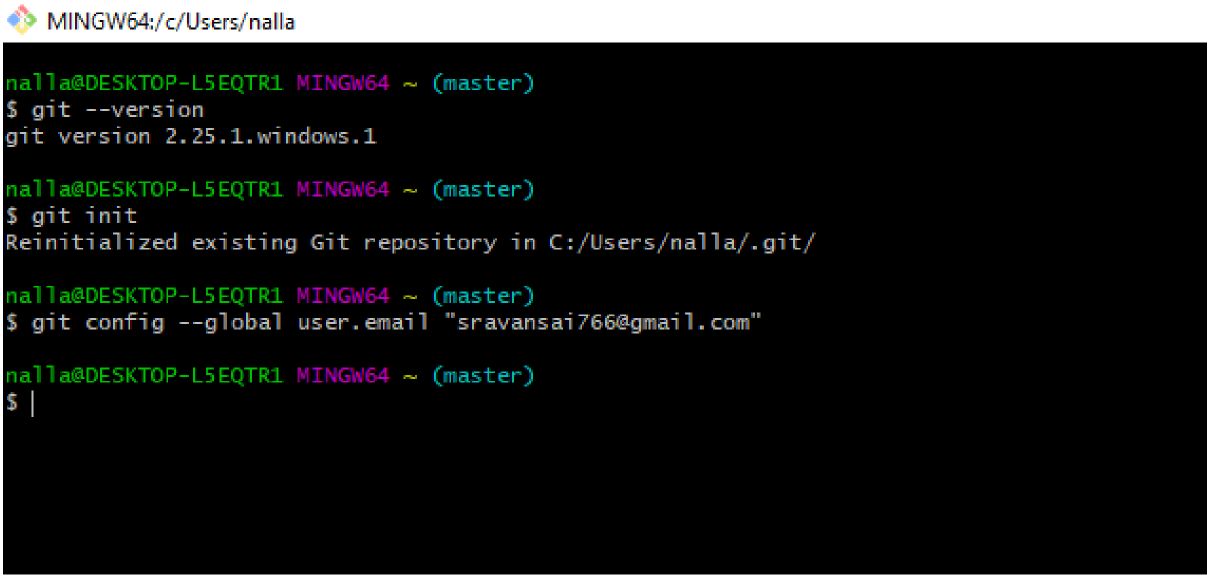
About GitHub: It is a web-based hosting service for version control using Git. It offers plans for public and private repositories. You can add multiple projects by creating multiple public repositories. In this section, you will only demonstrate on the public repository and its usage.

Navigate to https://github.com/ and click on Sign up for GitHub. Enter the details and click on Create an account.
In Choose your personal plan, Select Free, and click on continue. You can share basic information about yourself or you can skip this step.
You will receive an email to confirm your account. It is important to confirm your account before you use GitHub. Once confirmed, your GitHub account is set up successfully.

Step-4: Login from Git local to connect remote GitHub.

Open the terminal in your lab and execute the below commands by replacing your_Email_Id with your registered email address in GitHub and Your_Username with your GitHub username.

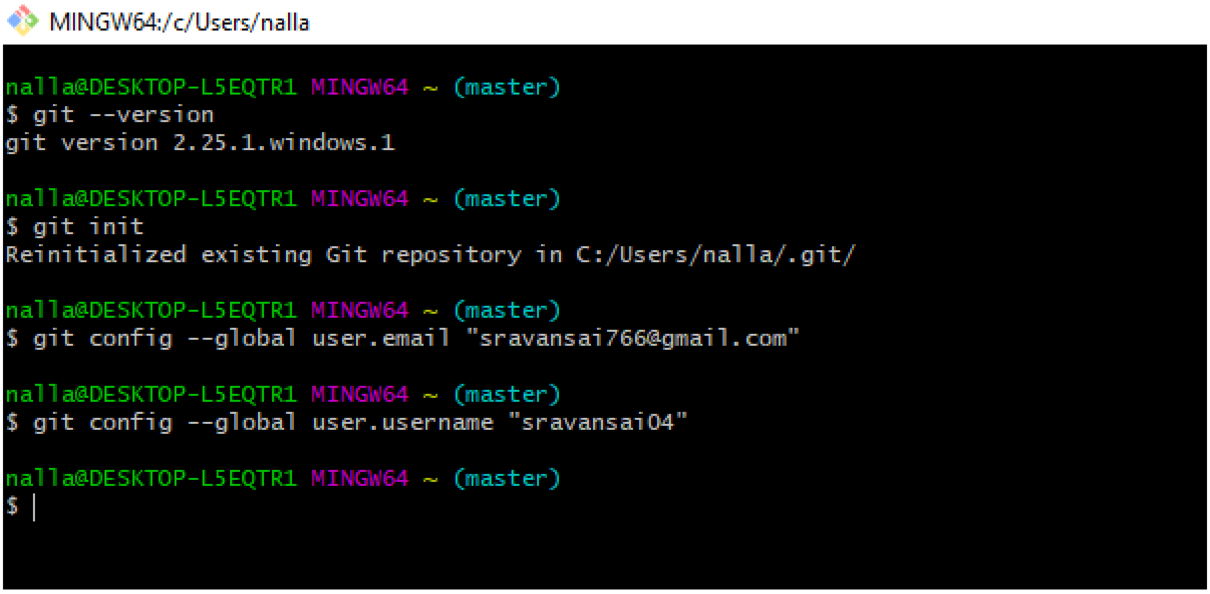
$ git config –global user.email “your Email_Id”



MINGW64:/c/Users/nalla

```
nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git --version
git version 2.25.1.windows.1

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git init
Reinitialized existing Git repository in C:/Users/nalla/.git/

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git config --global user.email "sravansai766@gmail.com"

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ |
```

$ git config –global user.username “your Username”



MINGW64:/c/Users/nalla

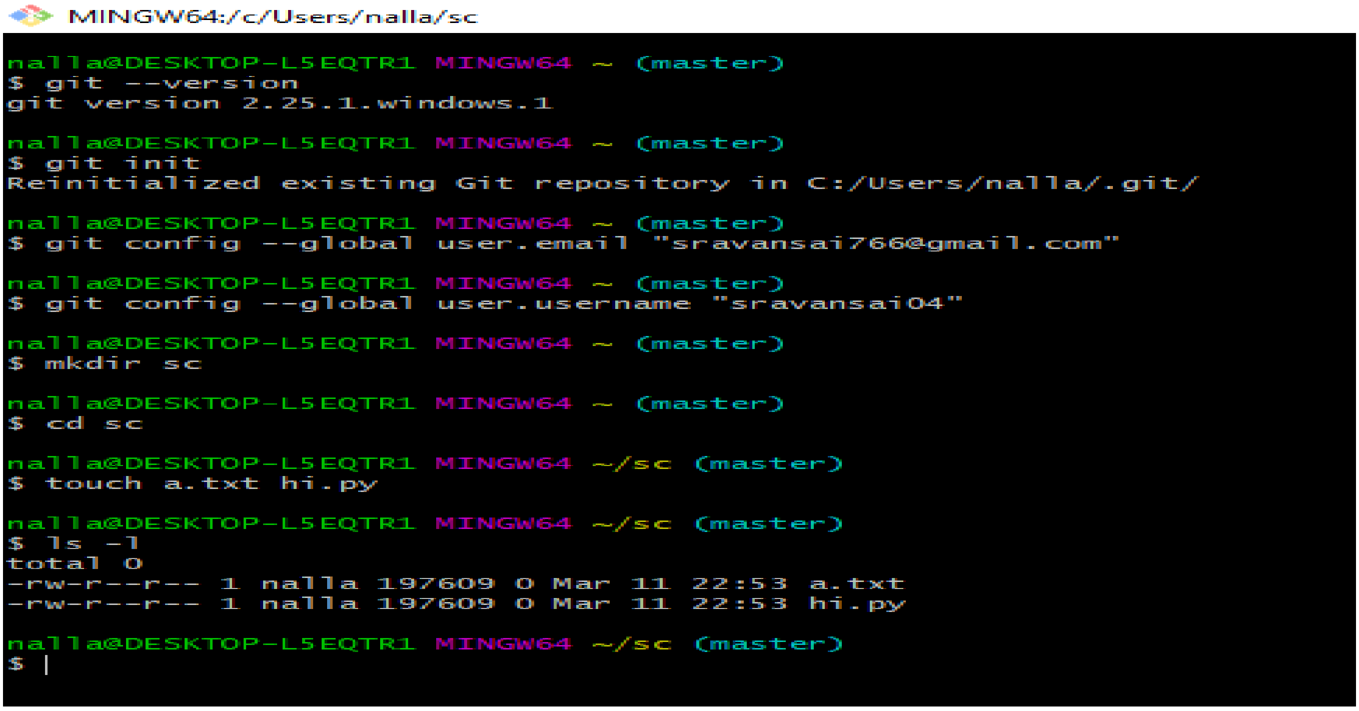
```
nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git --version
git version 2.25.1.windows.1

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git init
Reinitialized existing Git repository in C:/Users/nalla/.git/

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git config --global user.email "sravansai766@gmail.com"

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git config --global user.username "sravansai04"

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ |
```

Step-5: Create multiple files and content in each file. To create multiple files with different extensions and to create a folder to store all the files in one place, follow the steps shown below:

$ touch a.txt hi.py

To check whether the files are created or not we use the command

$ ls or ls -l



MINGW64:/c/Users/nalla/sc

```
nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git --version
git version 2.25.1.windows.1

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git init
Reinitialized existing Git repository in C:/Users/nalla/.git/

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git config --global user.email "sravansai766@gmail.com"

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ git config --global user.username "sravansai04"

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ mkdir sc

nalla@DESKTOP-L5EQTR1 MINGW64 ~ (master)
$ cd sc

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ touch a.txt hi.py

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ ls -l
total 0
-rw-r--r-- 1 nalla 197609 0 Mar 11 22:53 a.txt
-rw-r--r-- 1 nalla 197609 0 Mar 11 22:53 hi.py

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ |
```

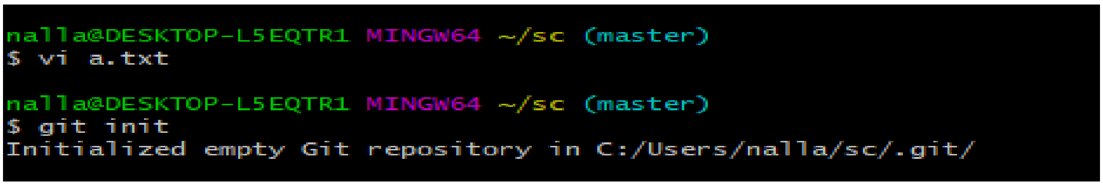
Step-6: Add the code/data into the file which we have created by using the command

$ vi filename.extension

Execute the below command in the vi editor to save and return to the terminal.
Esc + [shift]:wq

Step-7: Initialize Git.by using the command

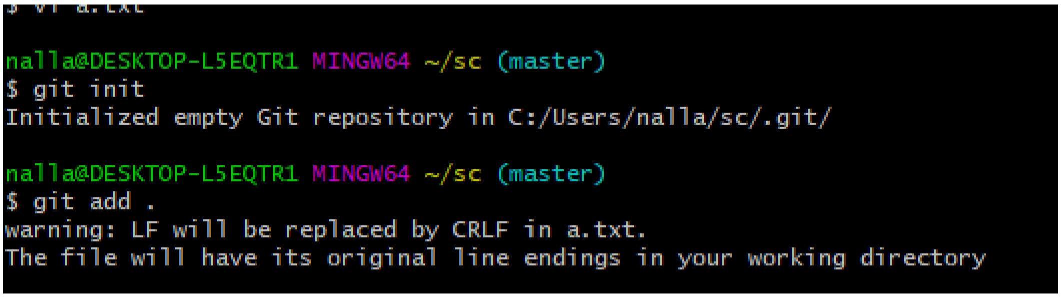
$ git init



```
nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ vi a.txt

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git init
Initialized empty Git repository in C:/Users/nalla/sc/.git/
```

Step-8: adding all file into by using the command

$ git add .

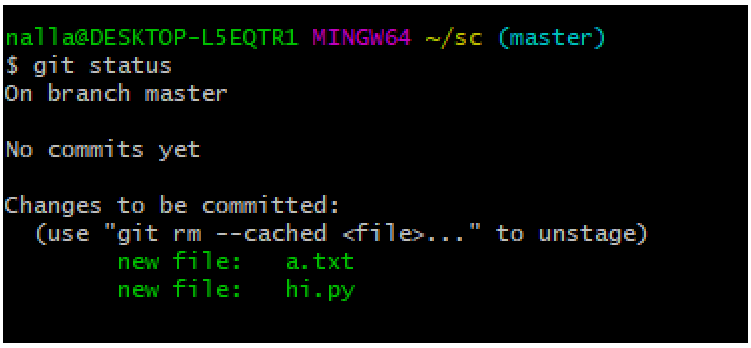


```
$ vi a.txt

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git init
Initialized empty Git repository in C:/Users/nalla/sc/.git/

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git add .
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory
```

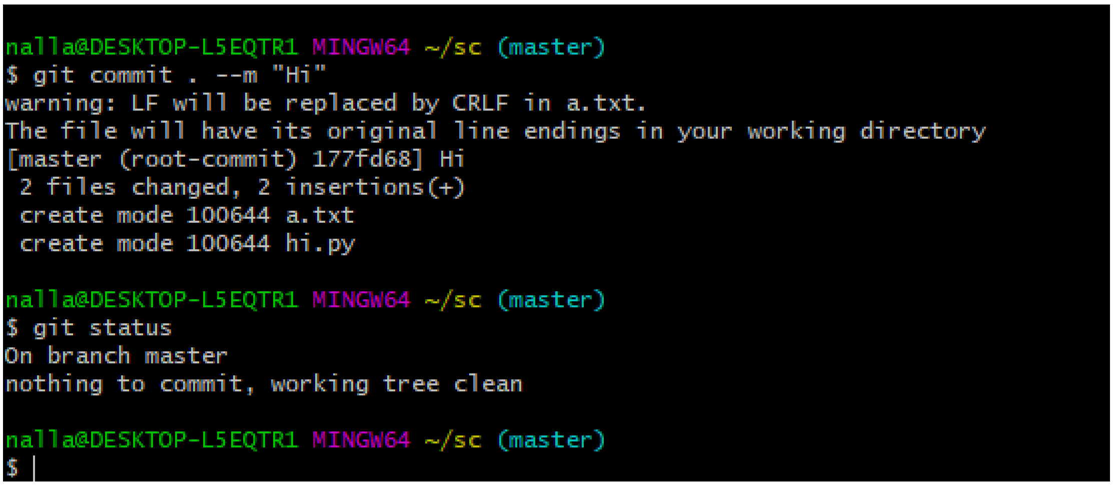
Step-9: To commit and save use the below commands.

$ git status

$ git commit . –m “message”

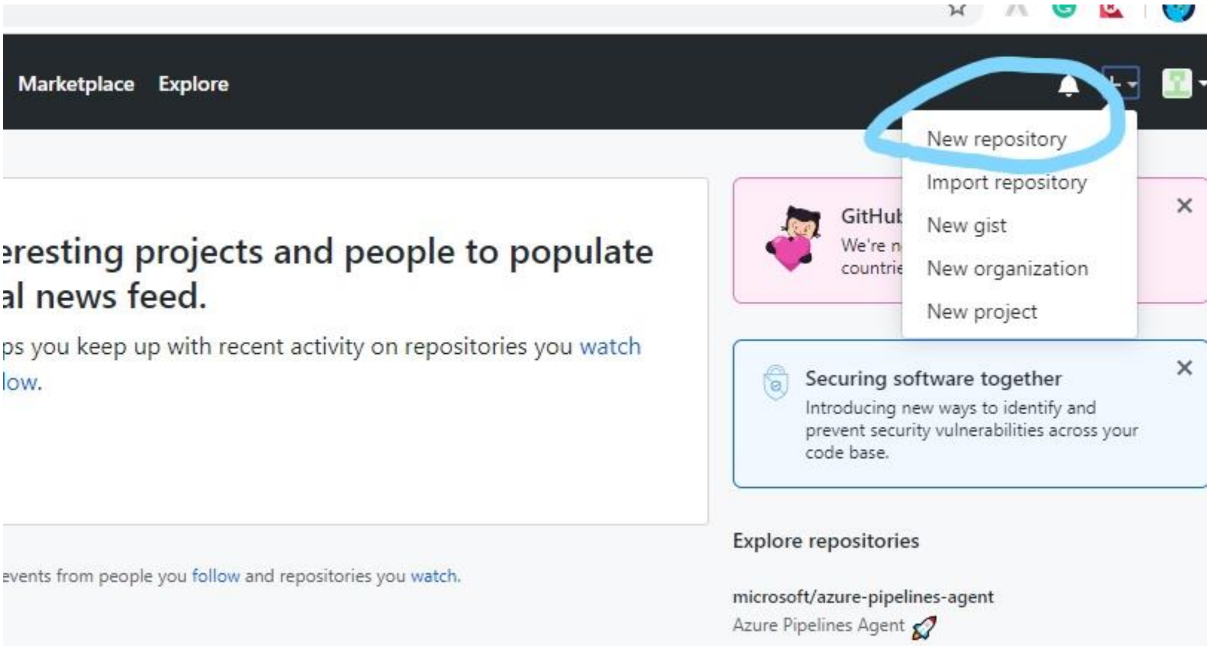


```
nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git status
On branch master

No commits yet

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



```
nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git commit . --m "Hi"
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory
[master (root-commit) 177fd68] Hi
 2 files changed, 2 insertions(+)
 create mode 100644 a.txt
 create mode 100644 hi.py

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git status
On branch master
nothing to commit, working tree clean

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ |
```

Step 10: Create a repository in your GitHub account.
Go to the homepage of GitHub.com and click on New Repository as shown below.



ɘresting projects and people to populate
al news feed.

ps you keep up with recent activity on repositories you watch
low.

GitHub
We're n
countrie

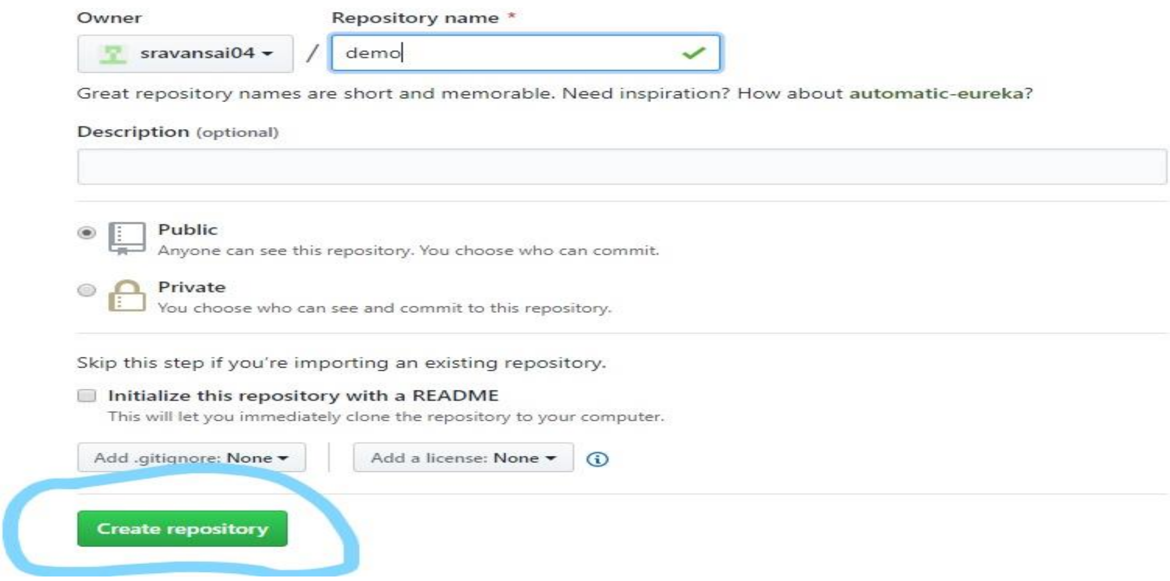
Securing software together
Introducing new ways to identify and prevent security vulnerabilities across your code base.

events from people you follow and repositories you watch.

Explore repositories

microsoft/azure-pipelines-agent
Azure Pipelines Agent 🚀

Enter the name as “Lesson -02- GitHubFiles” and click on Create repository. You will be redirected to a quick guide page and you will be navigated automatically inside the directory you have created.



Owner: sravansai04 / Repository name *: demo ✓

Great repository names are short and memorable. Need inspiration? How about automatic-eureka?

Description (optional)

● Public
Anyone can see this repository. You choose who can commit.

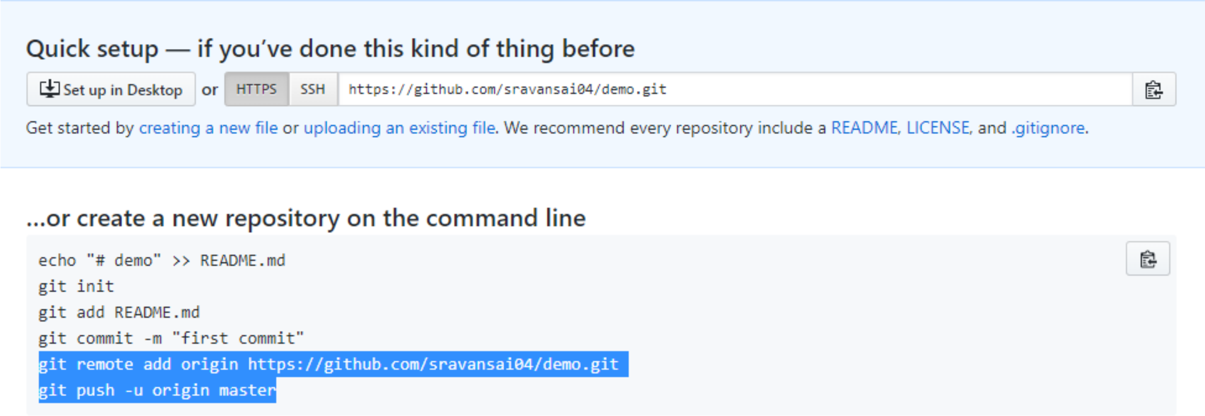
○ Private
You choose who can see and commit to this repository.

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

□ Initialize this repository with a README
This will let you immediately clone the repository to your computer.

Add .gitignore: None
Add a license: None

git remote add origin git@github.com:mvnaresh/git hub repository name.git



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

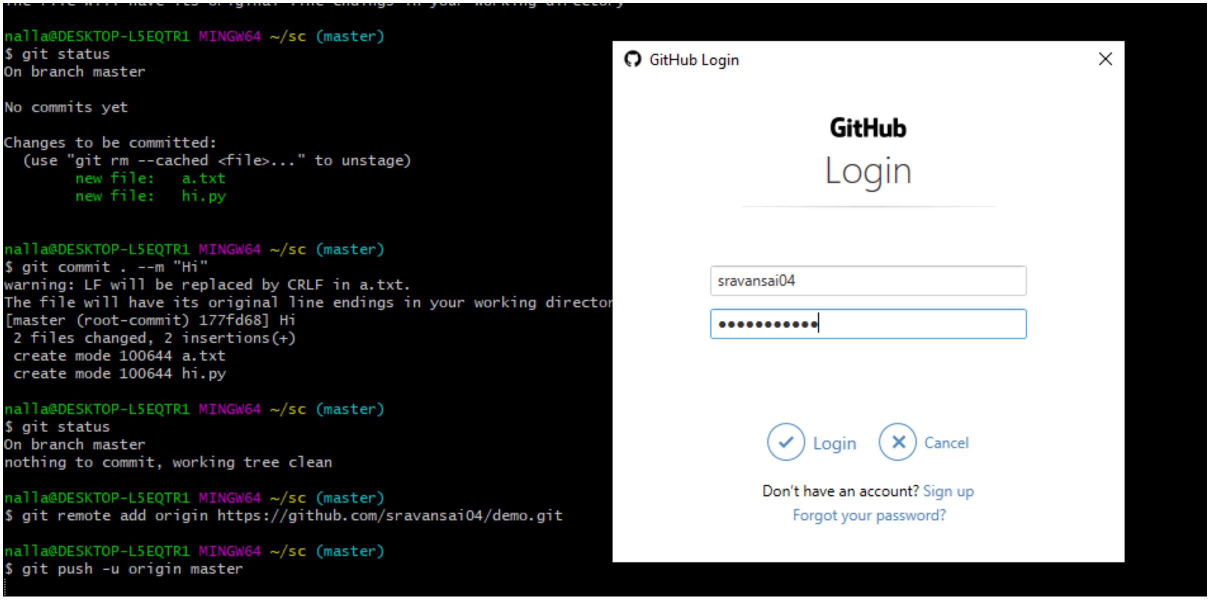
https://github.com/sravansai04/demo.git

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 "# demo" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/sravansai04/demo.git
git push -u origin master
```

When you perform the below command it asks your GitHub account details provide your own login details in which you created your repository



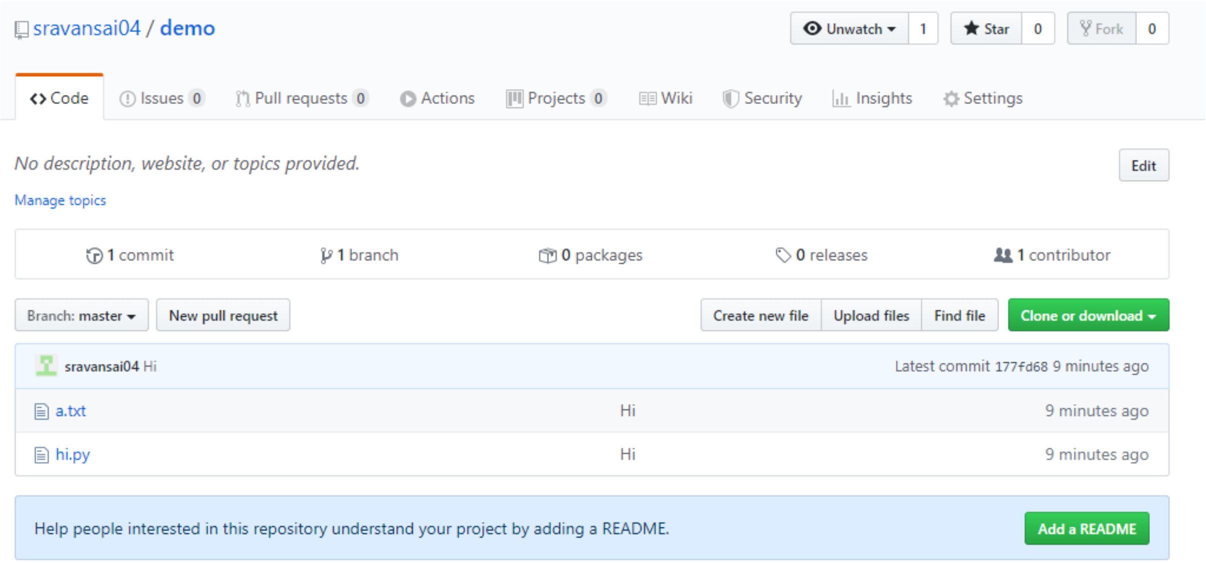
```
nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git status
On branch master

No commits yet

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

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git commit . --m "Hi"
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working director
[master (root-commit) 177fd68] Hi
 2 files changed, 2 insertions(+)
 create mode 100644 a.txt
 create mode 100644 hi.py

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git status
On branch master
nothing to commit, working tree clean

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git remote add origin https://github.com/sravansai04/demo.git

nalla@DESKTOP-L5EQTR1 MINGW64 ~/sc (master)
$ git push -u origin master
```

GitHub Login

GitHub
Login

sravansai04
●●●●●●●●●●●

After executing the above statements in git bash just reload the GitHub account so that the files that you have created should be visible in your repository



No description, website, or topics provided.

1 commit | 1 branch | 0 packages | 0 releases | 1 contributor

sravansai04 Hi		Latest commit 177fd68 9 minutes ago
a.txt	Hi	9 minutes ago
hi.py	Hi	9 minutes ago

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

Step-11: If the step-10 trouble shoots then follow the following procedure.

in github.com

goto settings-> personal settings-> SSH and GPG Keys
select New SSH Key it will prompt for Title and key
give title as ssh and for key do the following

goto gitbash
$ssh-keygen -o
$cat ~/.ssh/id_rsa.pub or locate the .ssh in the working directory open id_rsa and copy the entire key

paste the key in the key and click on Add SSH Key

goto gitbash run
$git push -u origin master