

Module-2: GIT Assignment

1 Based on what you have learnt in the class, do the following steps:

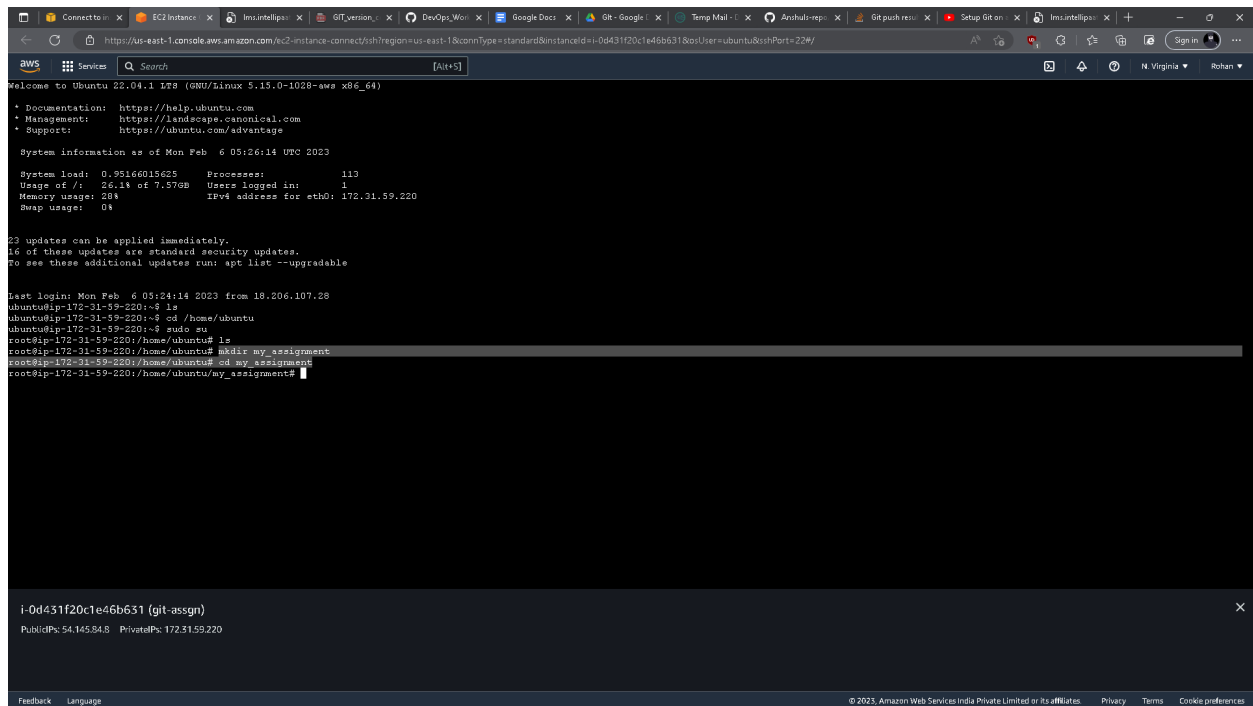
- Create a new folder.
- Put the following files in the folder:
 - Code.txt ◦ Log.txt ◦ Output.txt
- Stage the Code.txt and Output.txt files .
- Commit them.
- And finally push them to github Please share the commands for the above points.

First connect to an ec2 instance or you can do from GIT bash too.

Then sudo su and install git.

Use command “apt-get install git-all” for installation of git in ubuntu.

Now make a new folder using: mkdir <folder name>.



```

Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:   https://landscape.canonical.com
 * Support:      https://ubuntu.com/advantage

System information as of Mon Feb  6 05:26:14 UTC 2023

System load: 0.95166015625   Processes:    113
Usage of /:  26.1k of 7.57Gb   Users logged in: 1
Memory usage: 28%           IPv4 address for eth0: 172.31.59.220
Swap usage:  0%

22 updates can be applied immediately.
16 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Last login: Mon Feb  6 05:24:14 2023 from 18.206.107.28
ubuntu@ip-172-31-59-220:~$ ls
ubuntu@ip-172-31-59-220:~$ cd /home/ubuntu
ubuntu@ip-172-31-59-220:~$ sudo su
root@ip-172-31-59-220:/home/ubuntu# ls
root@ip-172-31-59-220:/home/ubuntu# mkdir my_assignment
root@ip-172-31-59-220:/home/ubuntu# cd my_assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)

PublicIPs: 54.145.84.8 PrivateIPs: 172.31.59.220

cd into that folder.

Now create 3 files using: touch code.txt log.txt output.txt

```
Connecto... x EC2 Instance x Start Course x GIT version... x DevOps Wor... x Google Docs x Git - Google x Temp Mail - x Anshul-rep... x Git push res... x Setup Git on... x My Course... x + - - - - -
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/sh?region=us-east-1&connType=standard&instanceId=i-0d431f20c1e46b631&osUser=ubuntu&sshPort=22#/?
AWS Services Search [Alt+S]
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root@ip-172-31-59-220:/home/ubuntu# ls
root@ip-172-31-59-220:/home/ubuntu# mkdir my_assignment
root@ip-172-31-59-220:/home/ubuntu# cd my_assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch code.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# ls
code.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)
PublicIPs: 54.145.84.8 PrivateIPs: 172.31.59.220

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initialize git using:: git init

```
Connecto... x EC2 Instance x Start Course x GIT version... x DevOps Wor... x Google Docs x Git - Google x Temp Mail - x Anshul-rep... x Git push res... x Setup Git on... x My Course... x + - - - - -
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/sh?region=us-east-1&connType=standard&instanceId=i-0d431f20c1e46b631&osUser=ubuntu&sshPort=22#/?
AWS Services Search [Alt+S]
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1020-aws x86_64)
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ubuntu@ip-172-31-59-220:~$ cd /home/ubuntu
ubuntu@ip-172-31-59-220:~$ sudo su
root@ip-172-31-59-220:/home/ubuntu# ls
root@ip-172-31-59-220:/home/ubuntu# mkdir my_assignment
root@ip-172-31-59-220:/home/ubuntu# cd my_assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch code.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# ls
code.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:     git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:     git branch -m <name>
Initialized empty Git repository in /home/ubuntu/my_assignment/.git/
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)
PublicIPs: 54.145.84.8 PrivateIPs: 172.31.59.220

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To stage use: git add code.txt output.txt

```

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System information as of Mon Feb  6 05:26:14 UTC 2023

System load:  0.25166015605   Processes:    113
Usage of /:   26.1% of 7.57GB   Users logged in:  1
Memory usage: 20%             IPv4 address for eth0: 172.31.59.220
Swap usage:   0%

23 updates can be applied immediately.
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Last login: Mon Feb  6 05:24:14 2023 from 18.206.107.28
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ubuntu@ip-172-31-59-220:~$ sudo su
root@ip-172-31-59-220:/home/ubuntu# ls
root@ip-172-31-59-220:/home/ubuntu# mkdir my_assignment
root@ip-172-31-59-220:/home/ubuntu# cd my_assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch code.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# ls
code.txt  log.txt  output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git init
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hint: of your new repositories, which will suppress this warning, call:
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hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:     git branch -m <name>
Initialized empty Git repository in /home/ubuntu/my_assignment/.git/
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git remote add origin https://github.com/Anshul-repo/for-assignment.git
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add code.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

do git status.

Log.txt is not staged as mentioned.

```

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root@ip-172-31-59-220:/home/ubuntu/my_assignment# ls
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root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add code.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch master

No commits yet

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

Now to commit just use: git commit -m “<any message>”

Staggered files will be committed.

```
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[AHS]

hint: Using 'master' as the name for the initial branch. This default branch name
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root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add code.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch master
No commits yet

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "for assignment"
[master (root-commit) 766fe7c] for assignment
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 code.txt
 create mode 100644 output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

f-0d431f20c1e46b631 (git-assgn)

PublIDPs: 54.145.84.8 PrivateDps: 172.31.59.220

To push them into repo:

Create a token first in your github account.

https://github.com/settings/tokens/new

Search or jump to...

Pull requests Issues Codespaces Marketplace Explore

Settings / Developer settings

- GitHub Apps
- OAuth Apps
- Personal access tokens
 - Fine-grained tokens
 - Tokens (classic)

New personal access token (classic)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Note

for-assignment

What's this token for?

Expiration *

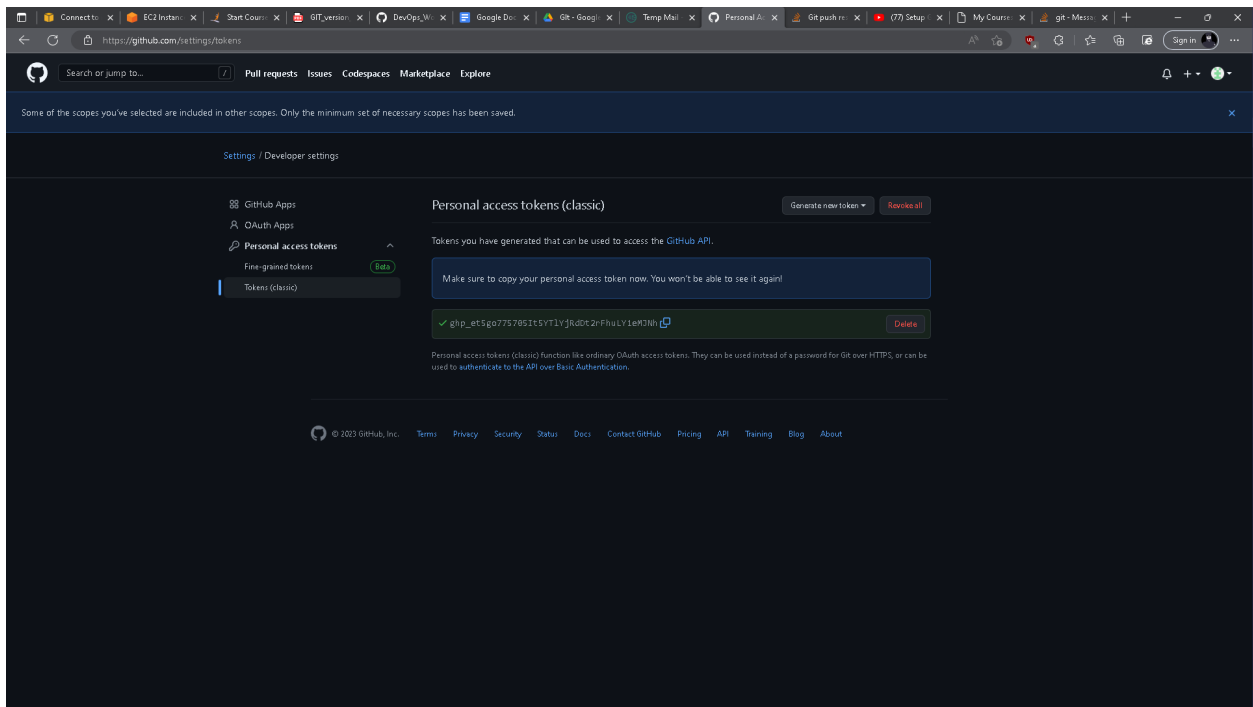
30 days The token will expire on Wed, Mar 8 2023

Select scopes

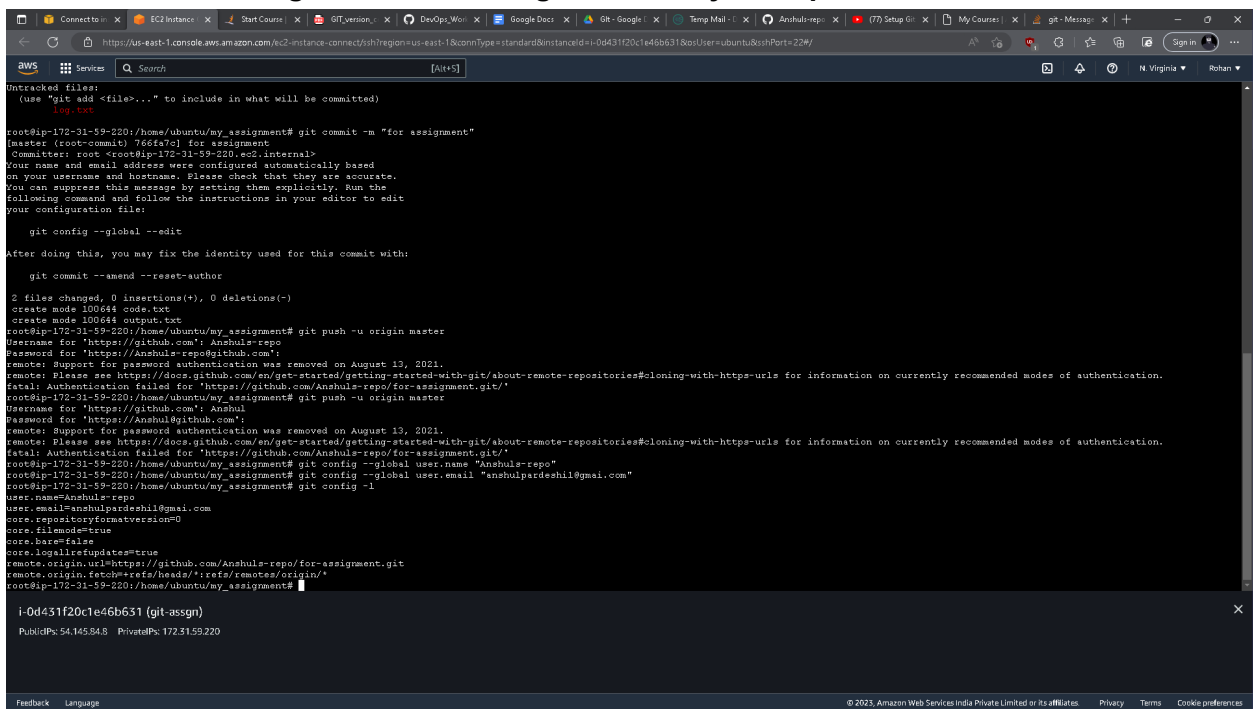
Scopes define the access for personal tokens. Read more about OAuth scopes.

<input type="checkbox"/> repo	Full control of private repositories
<input type="checkbox"/> repo:status	Access commit status
<input type="checkbox"/> repo:deployment	Access deployment status
<input type="checkbox"/> public_repo	Access public repositories
<input type="checkbox"/> repo:invite	Access repository invitations
<input type="checkbox"/> security_events	Read and write security events
<input checked="" type="checkbox"/> workflow	Update GitHub Action workflows
<input checked="" type="checkbox"/> write:packages	Upload packages to GitHub Package Registry
<input type="checkbox"/> read:packages	Download packages from GitHub Package Registry
<input checked="" type="checkbox"/> delete:packages	Delete packages from GitHub Package Registry
<input checked="" type="checkbox"/> admin:org	Full control of orgs and teams; read and write org projects
<input type="checkbox"/> write:org	Read and write org and team membership; read and write org projects
<input type="checkbox"/> read:org	Read org and team membership; read org projects
<input type="checkbox"/> manage_runners:org	Manage org runners and runner groups
<input checked="" type="checkbox"/> admin:public_key	Full control of user public keys
<input type="checkbox"/> write:public_key	Write user public keys
<input type="checkbox"/> read:public_key	Read user public keys

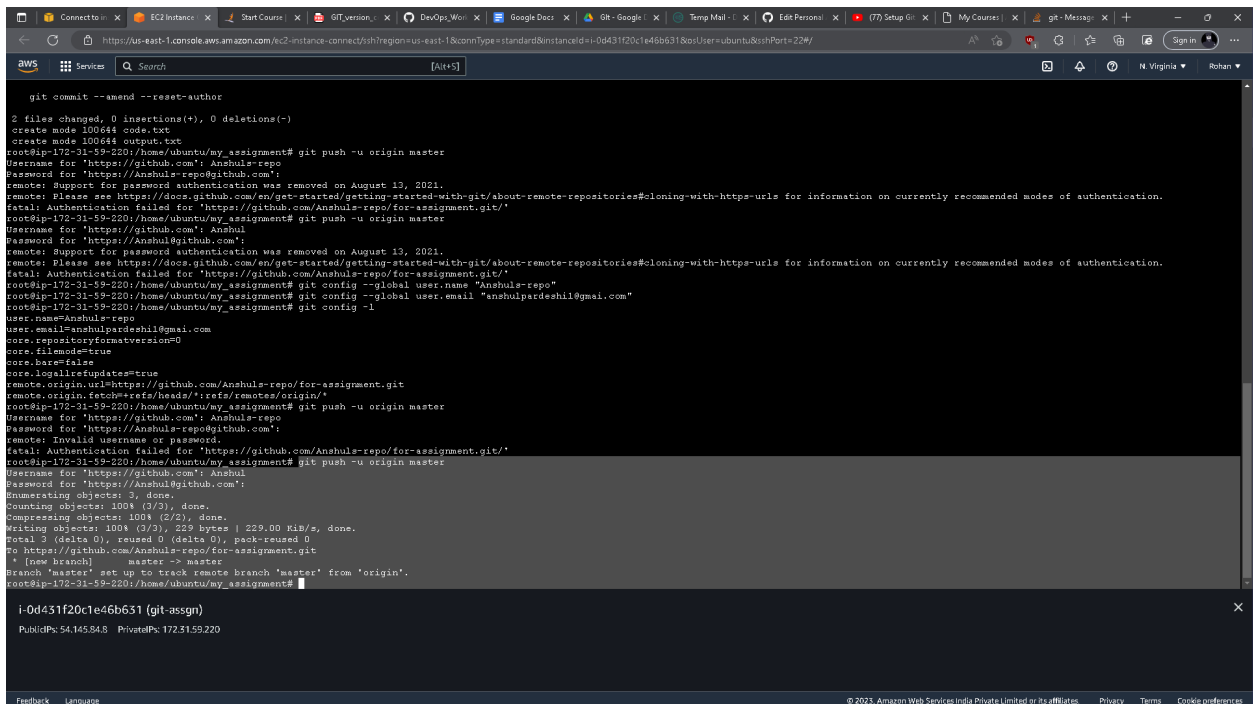
Copy the token.



Now use command: git remote add origin <link for your repo>



Then use: `git push -u origin master`
Type username of your repo.
In password paste the token that you just created.



```
git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 code.txt
create mode 100644 output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul-repo
Password for 'https://Anshul-repo:github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul
Password for 'https://github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config --global user.name "Anshul-repo"
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config --global user.email "anshulparadeshil@gmail.com"
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config -l
user.name=Anshul-repo
user.email=anshulparadeshil@gmail.com
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
remote.origin.url=https://github.com/Anshul-repo/for-assignment.git
remote.origin.fetch=refs/heads/*:refs/remotes/origin/*
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul-repo
Password for 'https://github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul
Password for 'https://github.com':
Enumerating objects: 0, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Anshul-repo/for-assignment.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d451f20c1e46b631 (git-assign)
PubIdP: 54.145.84.8 PrivateP: 172.31.59.220

Files have been pushed to repo.

