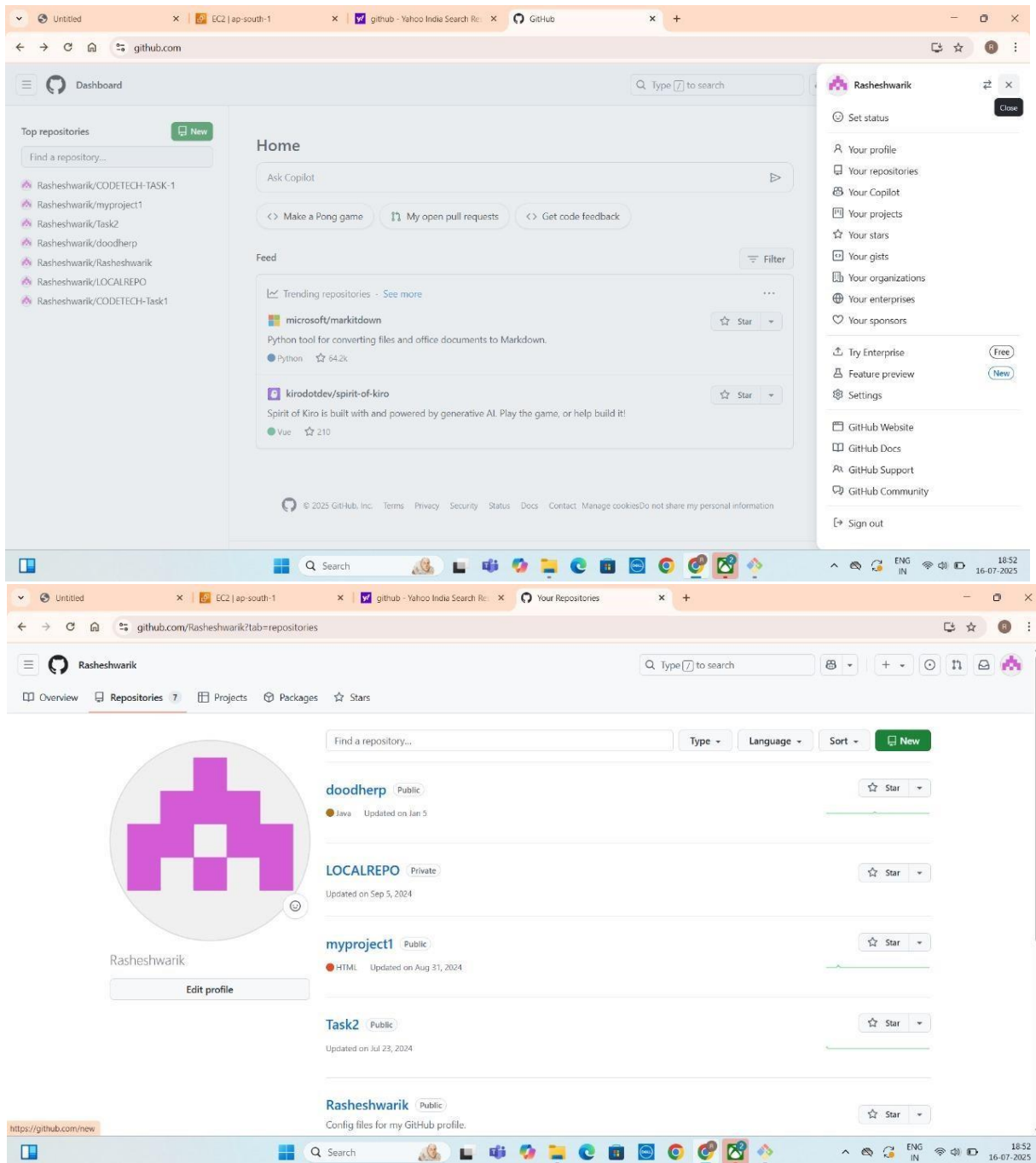
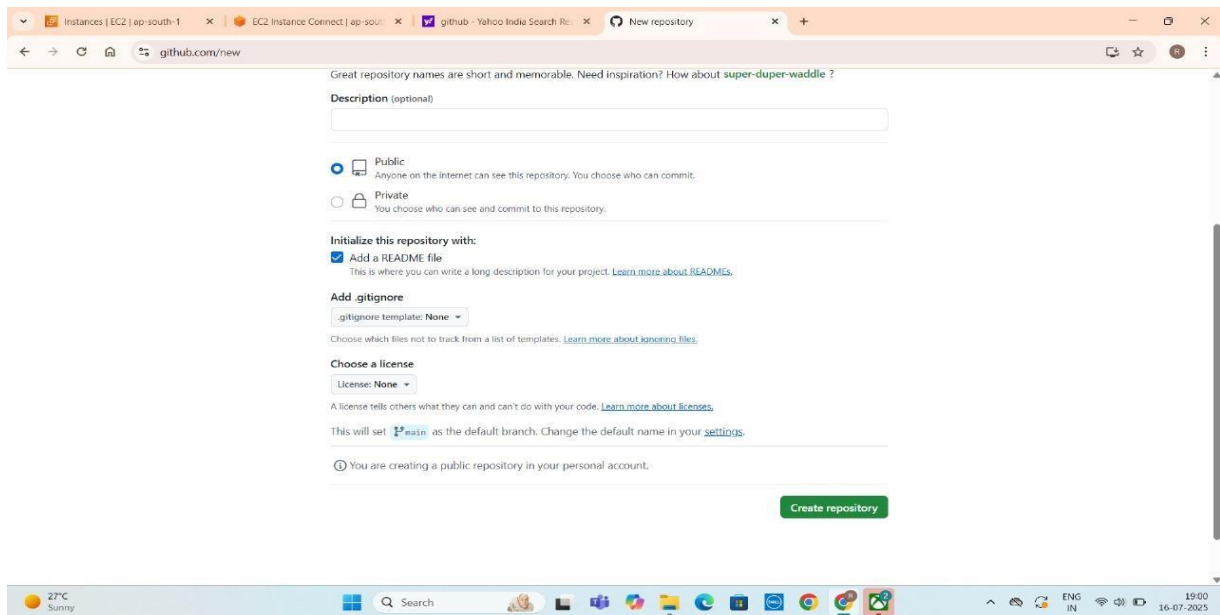


Name :- Laxmi Swami

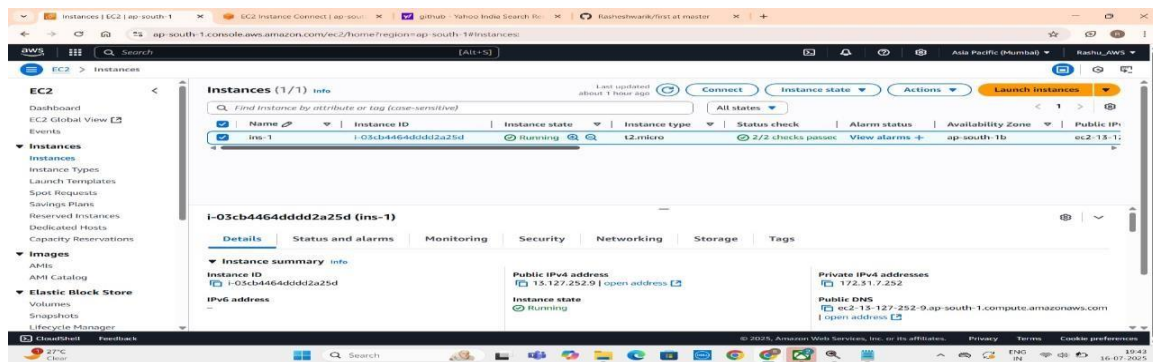
Topic :- Git-GitHub(Public & Private Repository)

Task 1:First Login GitHub And Go to your repository click on new option and create new repository in private

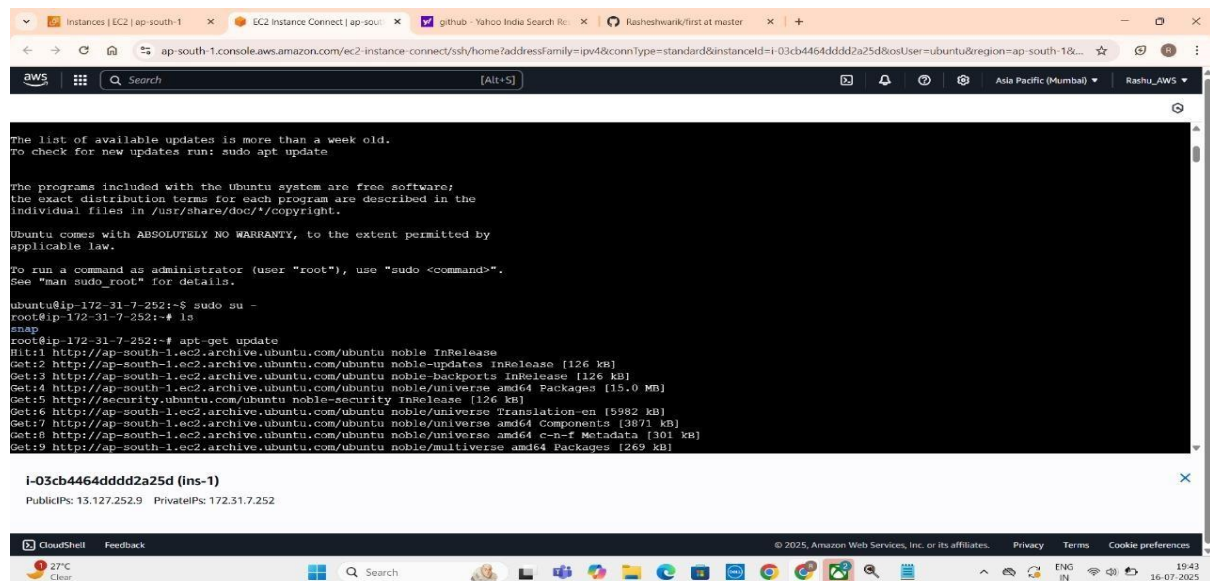




After create repository go instance and create one instance :



After create instance connect to gitbash and update operating system apt-get update



```
The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

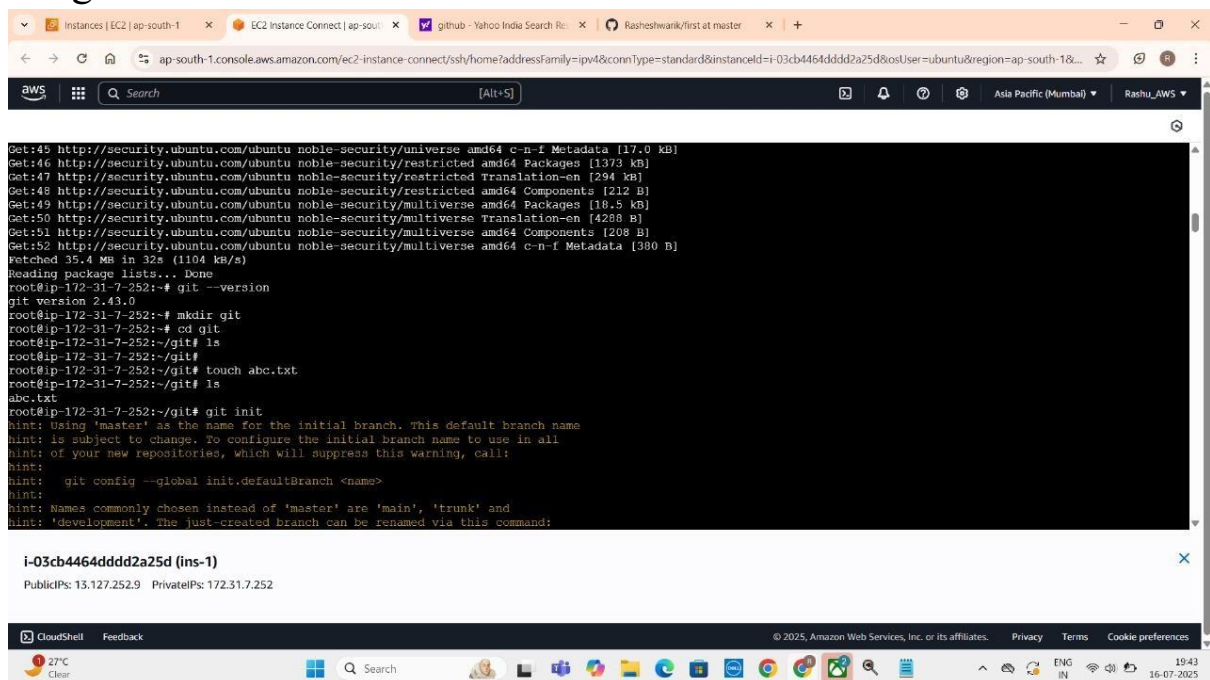
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-7-252:~$ sudo su -
root@ip-172-31-7-252:~# ls
snap
root@ip-172-31-7-252:~# apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
```

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

create folder git and in that folder create 1 files abc.txt and init the private repository using command:

- git init



```
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 KB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1373 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [294 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:49 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [18.5 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [4208 B]
Get:51 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]
Fetched 35.4 MB in 32s (1104 KB/s)
Reading package lists... Done
root@ip-172-31-7-252:~# git --version
git version 2.43.0
root@ip-172-31-7-252:~# mkdir git
root@ip-172-31-7-252:~# cd git
root@ip-172-31-7-252:~/git# ls
root@ip-172-31-7-252:~/git# touch abc.txt
root@ip-172-31-7-252:~/git# ls
abc.txt
root@ip-172-31-7-252:~/git# 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:
```

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

After that file to working directory using command:

- `Git add foldername .`

Working directory to staging area use command:

- `Git commit -m "message"`

Check staged or unstaged status :

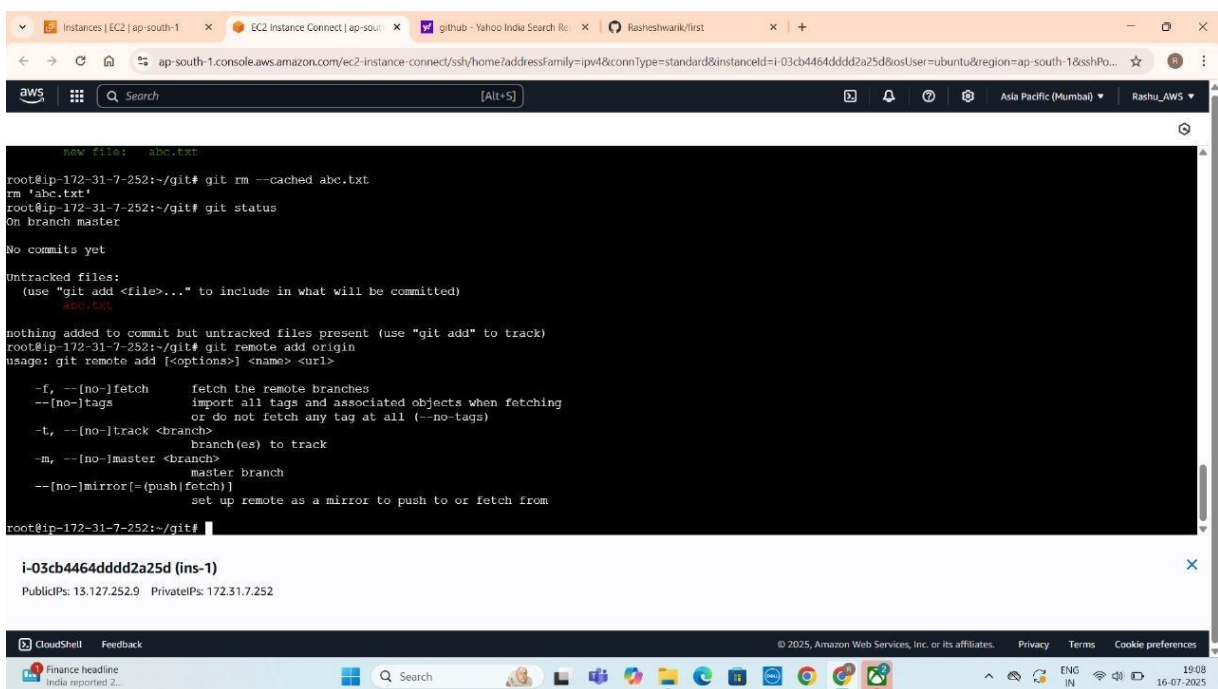
- `Git status`

If you want staged to unstage use command:

- `Git rm --cached filename`
- `Git restore --stage filename`

Staging area to local repository:

- `git remote add origin`



The screenshot shows a terminal window within the AWS CloudShell interface. The terminal output is as follows:

```
new file: abc.txt
root@ip-172-31-7-252:~/git# git rm --cached abc.txt
rm 'abc.txt'
root@ip-172-31-7-252:~/git# git status
On branch master

No commits yet

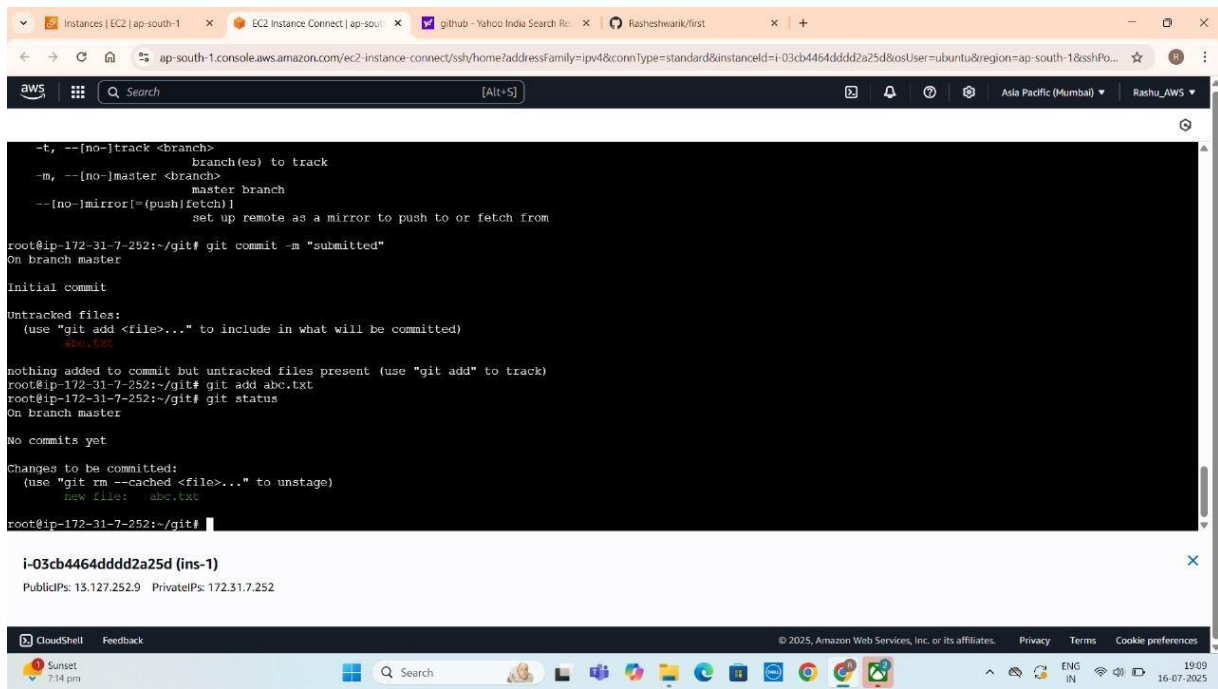
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  abc.txt

nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-7-252:~/git# git remote add origin
usage: git remote add [<options>] <name> <url>

    -f, --[no-]fetch          fetch the remote branches
    --[no-]tags              import all tags and associated objects when fetching
                           or do not fetch any tag at all (--no-tags)
    -t, --[no-]track <branch> branch(es) to track
    -m, --[no-]master <branch> master branch
    --[no-]mirror[=(push|fetch)] set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/git#
```

Below the terminal output, the instance details are shown: `i-03cb4464ddd2a25d (ins-1)` with Public IPs: 13.127.252.9 and Private IPs: 172.31.7.252.



The screenshot shows the AWS CloudShell interface with a terminal window. The terminal output displays the following commands and their results:

```
-t, --[no-]track <branch>
    branch(es) to track
-m, --[no-]master <branch>
    master branch
--[no-]mirror[=(push|fetch)]
    set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/git# git commit -m "submitted"
On branch master
Initial commit
Untracked files:
  (use "git add <file>..." to include in what will be committed)
      abc.txt

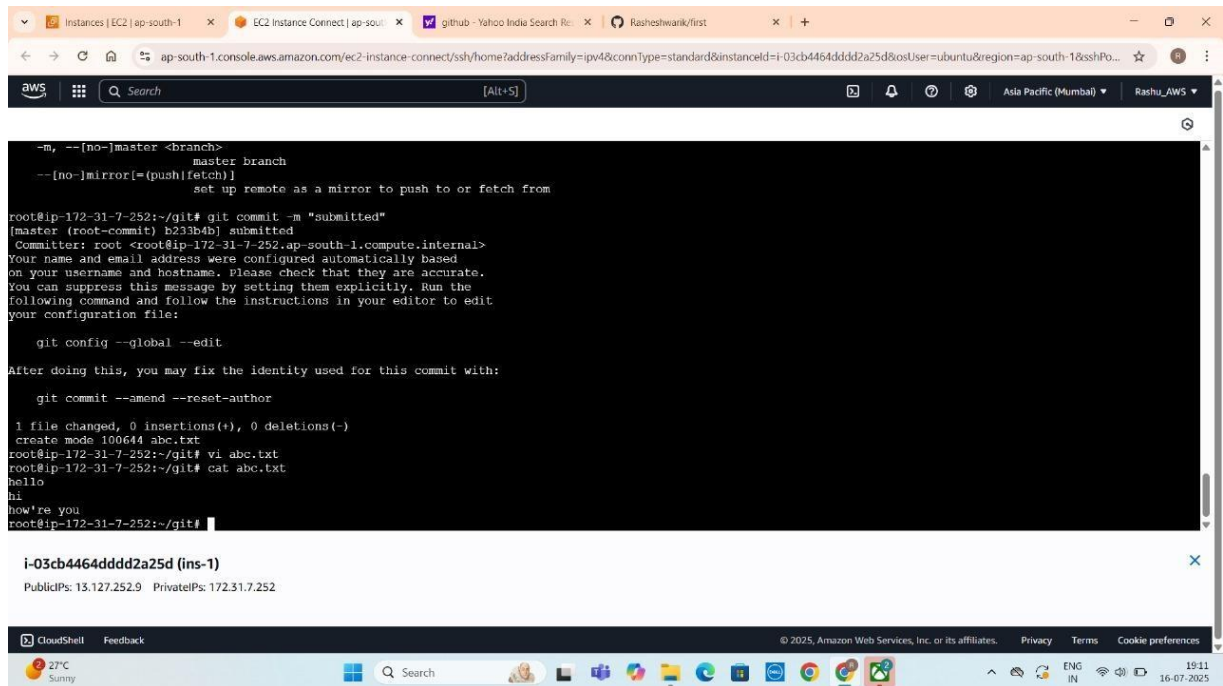
nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-7-252:~/git# git add abc.txt
root@ip-172-31-7-252:~/git# git status
On branch master

No commits yet

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

root@ip-172-31-7-252:~/git#
```

Below the terminal, a box displays the instance ID: **i-03cb4464ddd2a25d (ins-1)** with public and private IP addresses.



The screenshot shows the AWS CloudShell interface with a terminal window. The terminal output displays the following commands and their results:

```
-m, --[no-]master <branch>
    master branch
--[no-]mirror[=(push|fetch)]
    set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/git# git commit -m "submitted"
[master (root-commit) b233b4b] submitted
Committer: root <root@ip-172-31-7-252.ap-south-1.compute.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

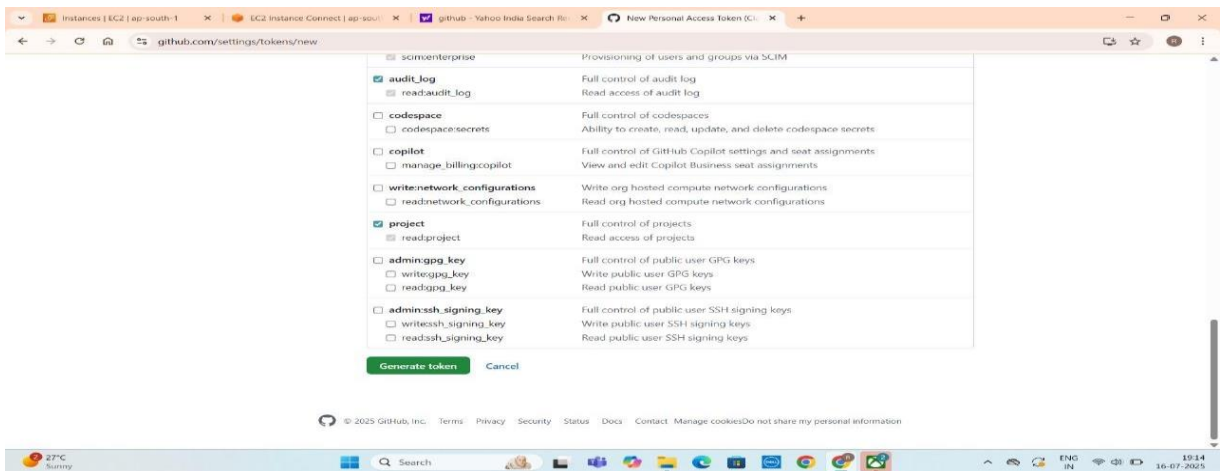
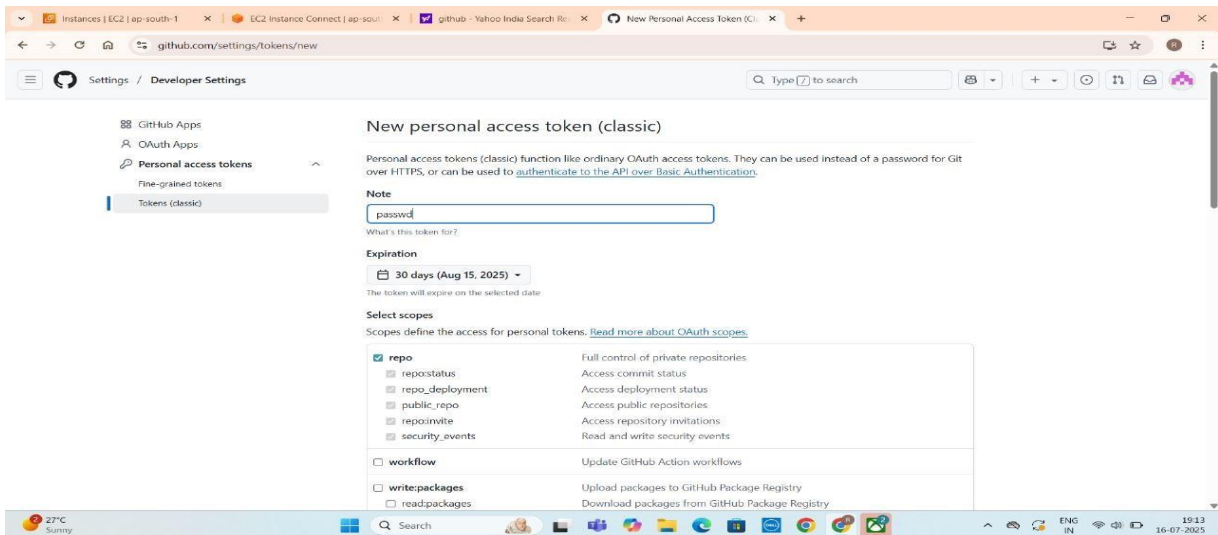
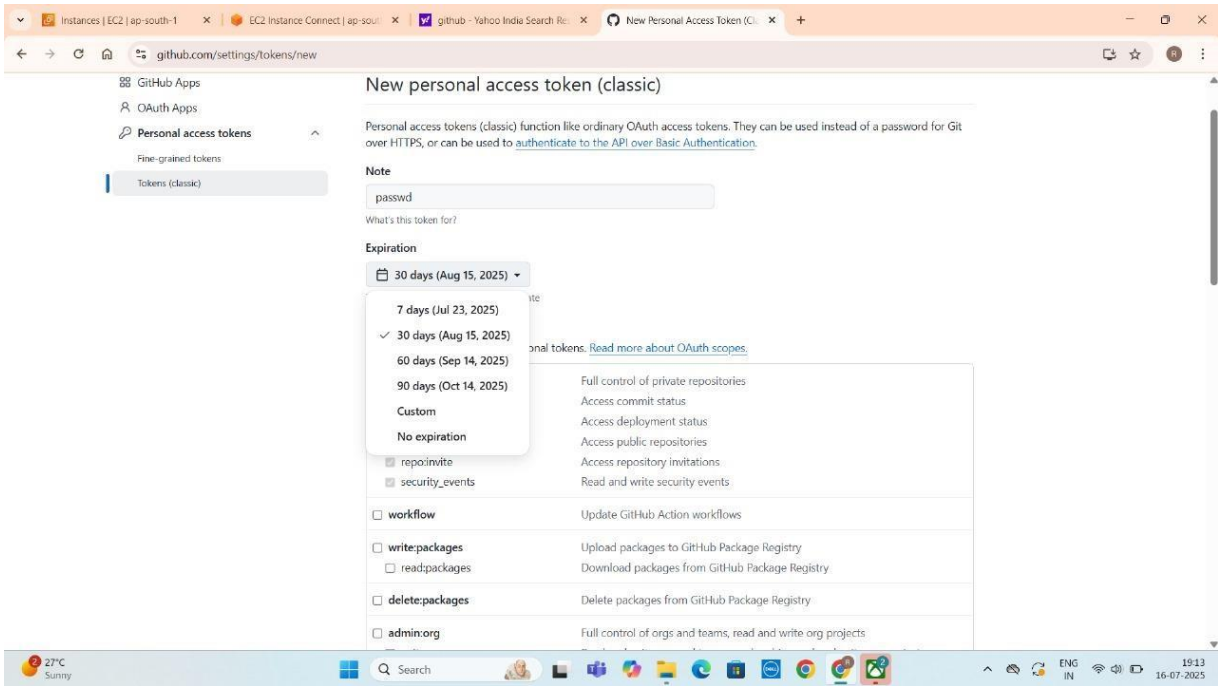
After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 abc.txt
root@ip-172-31-7-252:~/git# vi abc.txt
root@ip-172-31-7-252:~/git# cat abc.txt
hello
hi
how're you
root@ip-172-31-7-252:~/git#
```

Below the terminal, a box displays the instance ID: **i-03cb4464ddd2a25d (ins-1)** with public and private IP addresses.

Now to create password goto profile setting developer setting click personal access tokens
select token classic now create token give Note & select expire duration and key options click on generate token.



```
usage: git remote add [<options>] <name> <url>

  -f, --[no-]fetch          fetch the remote branches
                             import all tags and associated objects when fetching
                             or do not fetch any tag at all (--no-tags)
  -t, --[no-]track <branch> branch(es) to track
  -m, --[no-]master <branch> master branch
  --[no-]mirror[=(push|fetch)]
                             set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/new# git add xpx.txt
root@ip-172-31-7-252:~/new# git remote add origin
usage: git remote add [<options>] <name> <url>

  -f, --[no-]fetch          fetch the remote branches
                             import all tags and associated objects when fetching
                             or do not fetch any tag at all (--no-tags)
  -t, --[no-]track <branch> branch(es) to track
  -m, --[no-]master <branch> master branch
  --[no-]mirror[=(push|fetch)]
                             set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/new# git remote add origin https://github.com/Rasheshwarik/first.git
root@ip-172-31-7-252:~/new#
```

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

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Very humid Now 19:28 16-07-2025

```
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
root@ip-172-31-7-252:~/new# git log
commit 771b1a0607db0c2207a022047a2ae9fa09ef0f (HEAD -> master)
Author: root <root@ip-172-31-7-252.ap-south-1.compute.internal>
Date:   Wed Jul 16 13:59:11 2025 +0000

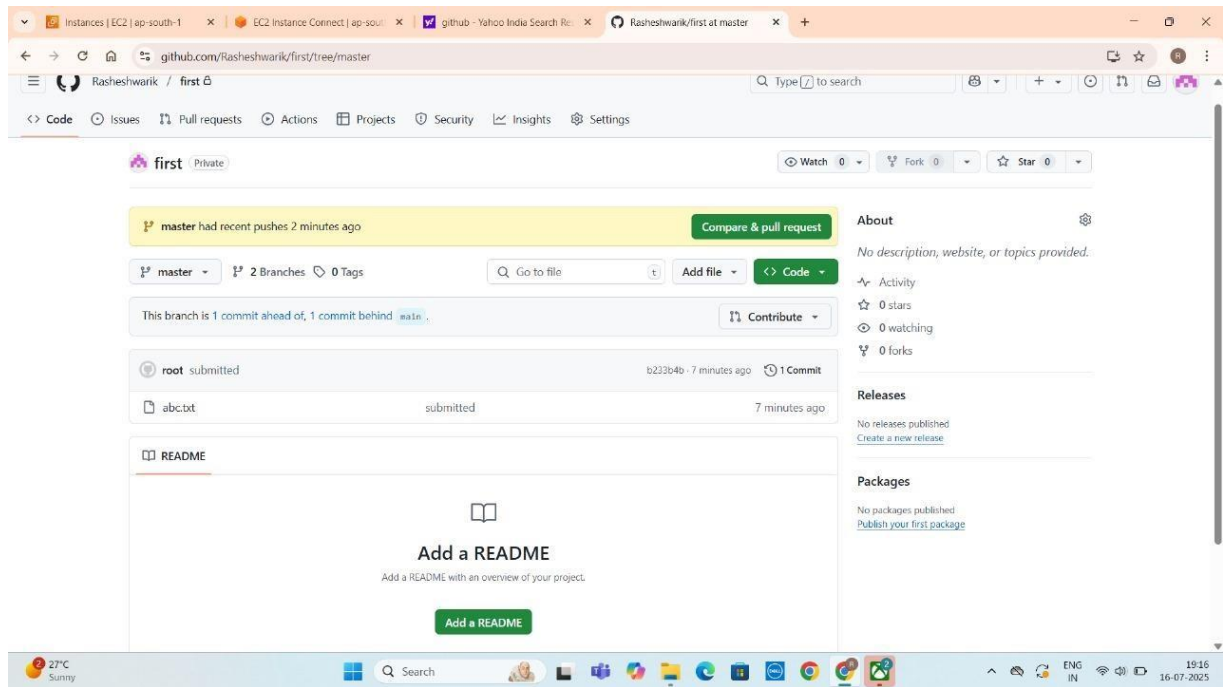
    done
root@ip-172-31-7-252:~/new# git pull origin master --rebase
Username for 'https://github.com': rasheshwarik
Password for 'https://rasheshwarik@github.com':
From https://github.com/Rasheshwarik/first
 * branch      master       -> FETCH_HEAD
Successfully rebased and updated refs/heads/master.
root@ip-172-31-7-252:~/new# git add .
root@ip-172-31-7-252:~/new# git rebase --continue
fatal: No rebase in progress?
root@ip-172-31-7-252:~/new# git push origin master
Username for 'https://github.com': rasheshwarik
Password for 'https://rasheshwarik@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 260 bytes | 260.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Rasheshwarik/first.git
 b233b4b..05af234 master -> master
root@ip-172-31-7-252:~/new#
```

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

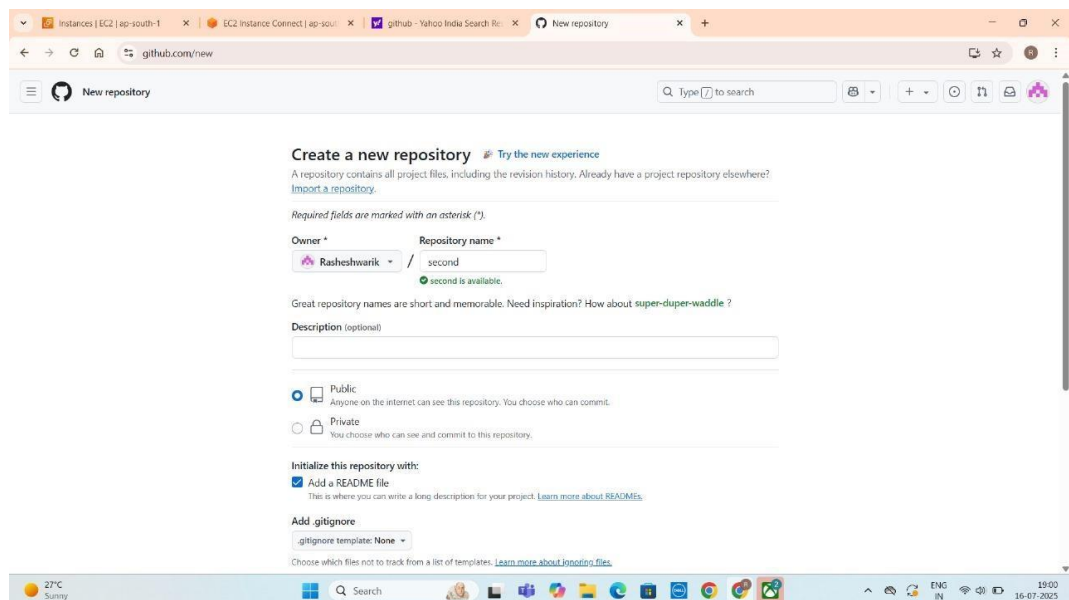
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27°C Clear 19:43 16-07-2025

Abc.txt file added in first repository



Task 2:create a public repository same as private repo create files and folders and push & check use same command.



Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x github - Yahoo India Search Re x Rasheshwarik/second x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-03cb4464ddd2a25d8&osUser=ubuntu®ion=ap-south-1&...

Username for 'https://github.com': rasheshwarik
Password for 'https://rasheshwarik@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 260 bytes | 260.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Rasheshwarik/first.git
b239b4b..05af234 master -> master
root@ip-172-31-7-252:~/new# cd ..
root@ip-172-31-7-252:~# mkdir public
root@ip-172-31-7-252:~# cd public
root@ip-172-31-7-252:~/public# ls
root@ip-172-31-7-252:~/public# touch sec.txt
root@ip-172-31-7-252:~/public# echo "hiiiiiiii" > sec.txt
root@ip-172-31-7-252:~/public# 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 /root/public/.git/
root@ip-172-31-7-252:~/public#

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

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27°C Clear

Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x github - Yahoo India Search Re x Rasheshwarik/second x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-03cb4464ddd2a25d8&osUser=ubuntu®ion=ap-south-1&...

aws Search [Alt+S]

Asia Pacific (Mumbai) Rashu_AWS

```
root@ip-172-31-7-252:~# mkdir public
root@ip-172-31-7-252:~# cd public
root@ip-172-31-7-252:~/public# ls
root@ip-172-31-7-252:~/public# touch sec.txt
root@ip-172-31-7-252:~/public# echo "hiiiiiiii" > sec.txt
root@ip-172-31-7-252:~/public# 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 /root/public/.git/
root@ip-172-31-7-252:~/public# git add .
root@ip-172-31-7-252:~/public# git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   sec.txt
root@ip-172-31-7-252:~/public#
```

i-03cb4464ddd2a25d (ins-1)
PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

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27°C Clear

Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x github - Yahoo India Search Re x Rasheshwarik/second x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-03cb4464ddd2a25d8&osUser=ubuntu®ion=ap-south-1&...

aws Search [Alt+S]

Asia Pacific (Mumbai) Rashu_AWS

```
root@ip-172-31-7-252:~/public# git add .
root@ip-172-31-7-252:~/public# git status
On branch master

No commits yet

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

root@ip-172-31-7-252:~/public# git commit -m"pub git done"
[master (root-commit) 8143416] pub git done
Committer: root <root@ip-172-31-7-252.ap-south-1.compute.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 sec.txt
root@ip-172-31-7-252:~/public#
```

i-03cb4464ddddd2a25d (ins-1)

PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

```
root@ip-172-31-7-252:~/public# git remote add origin
usage: git remote add [<options>] <name> <url>

    -f, --[no-]fetch          fetch the remote branches
                              import all tags and associated objects when fetching
                              or do not fetch any tag at all (--no-tags)
    -t, --[no-]track <branch> branch(es) to track
    -m, --[no-]master <branch> master branch
    --[no-]mirror[=(push|fetch)]
                              set up remote as a mirror to push to or fetch from

root@ip-172-31-7-252:~/public# git remote add origin https://github.com/Rasheshwarik/second.git
root@ip-172-31-7-252:~/public# git push origin master
Username for 'https://github.com': rasheshwarik
Password for 'https://rasheshwarik@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 227 bytes | 227.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Rasheshwarik/second/pull/new/master
remote:
To https://github.com/Rasheshwarik/second.git
 * [new branch]      master -> master
root@ip-172-31-7-252:~/public#
```

i-03cb4464ddddd2a25d (ins-1)

PublicIPs: 13.127.252.9 PrivateIPs: 172.31.7.252

Go to github and check :

