GIT TASK 1

Tasks To Be Performed:

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

a. Create a new folder

b. Put the following files in the folder

● Code.txt ● Log.txt ● Output.txt

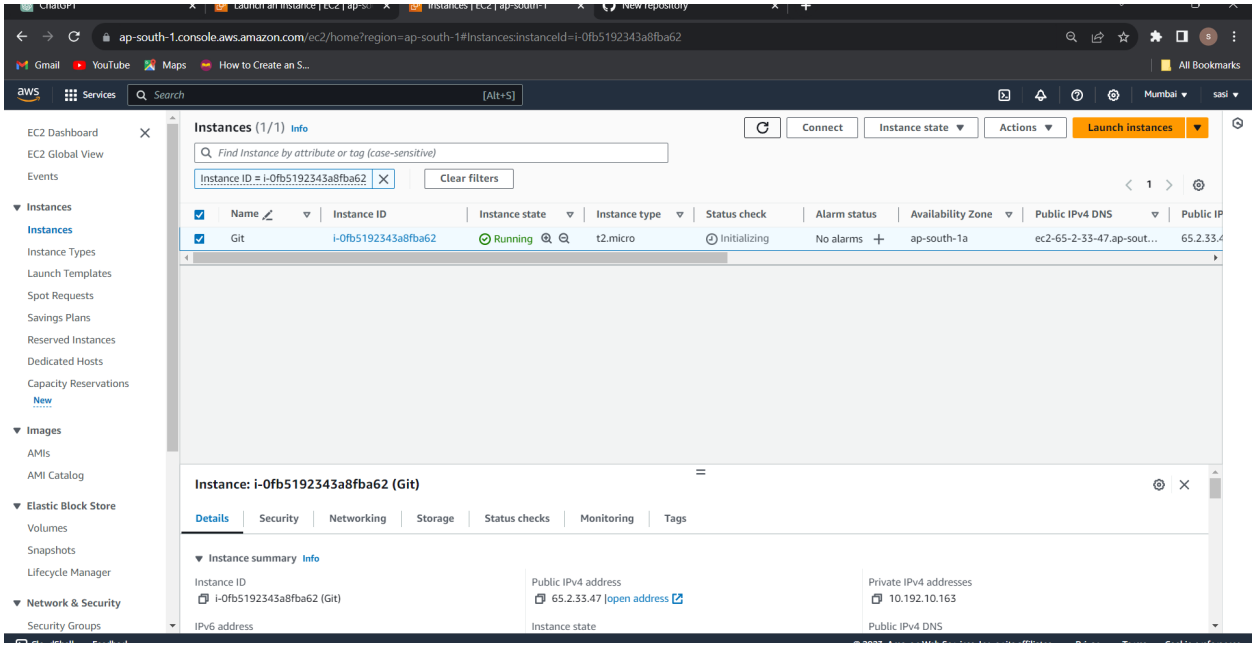
c. Stage the Code.txt and Output.txt files

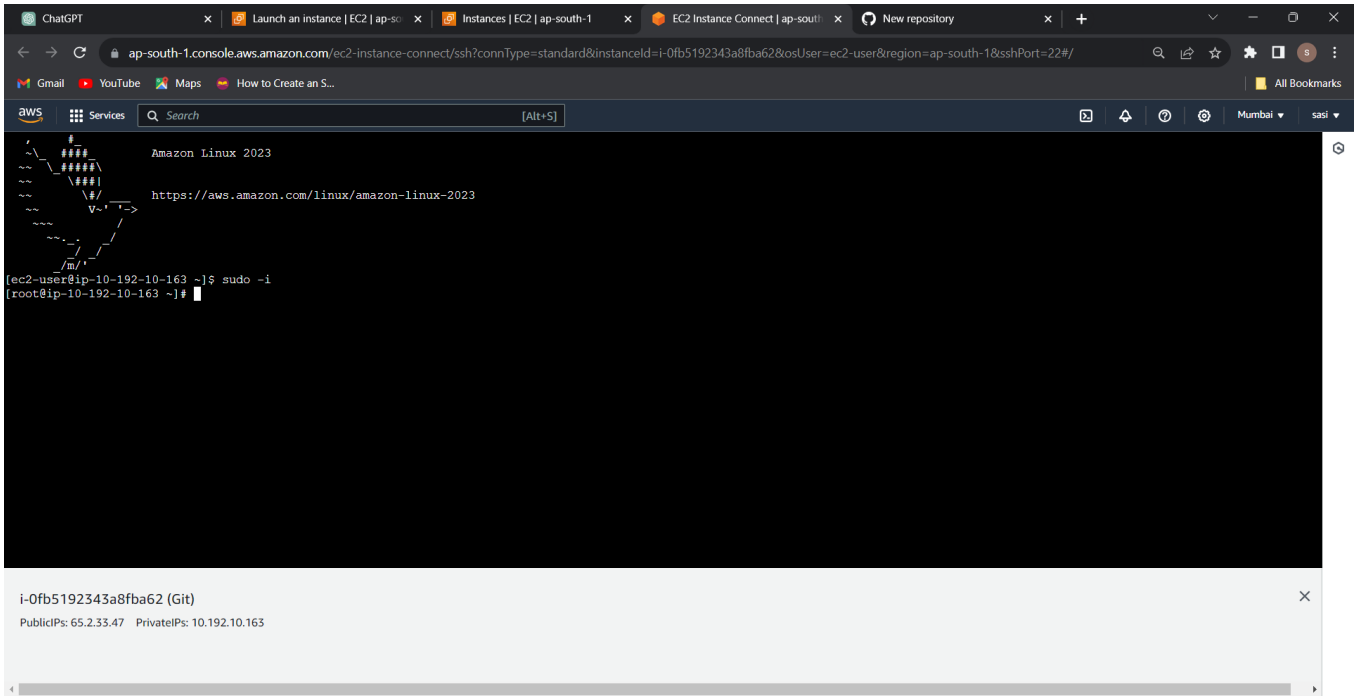
d. Commit them

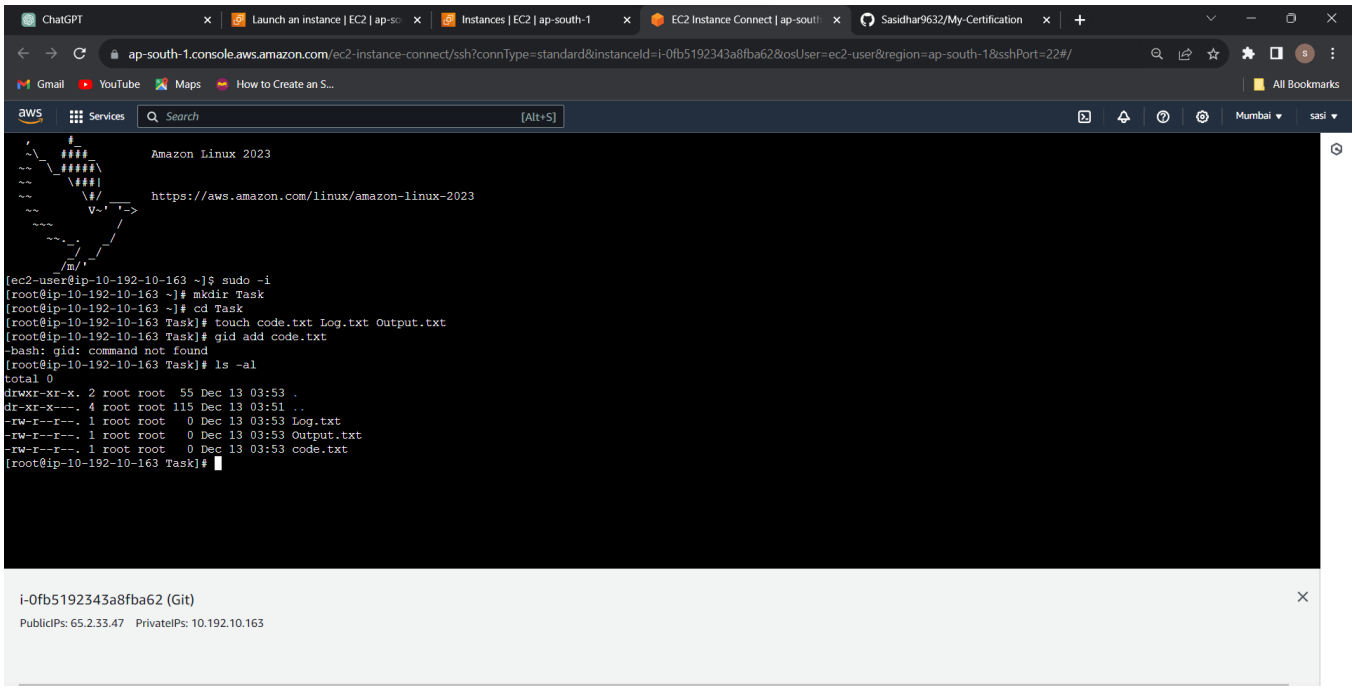
e. And finally push them to GitHub

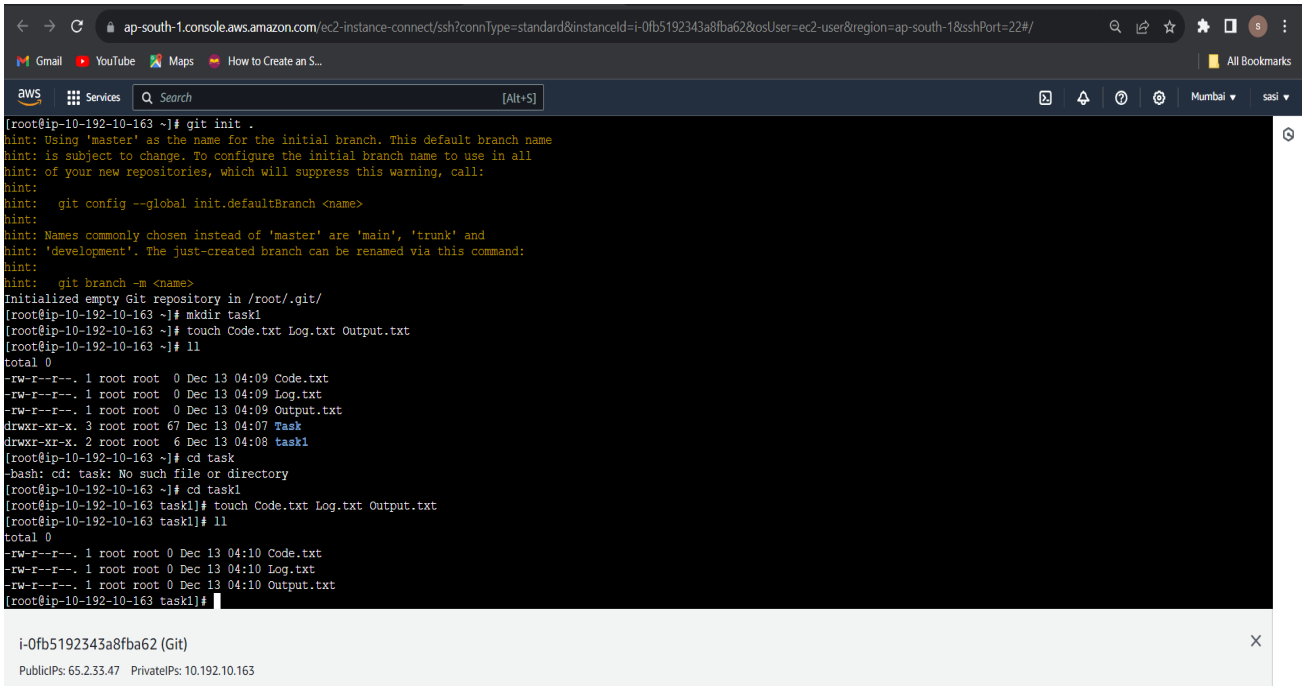
2. Please share the commands for the above points

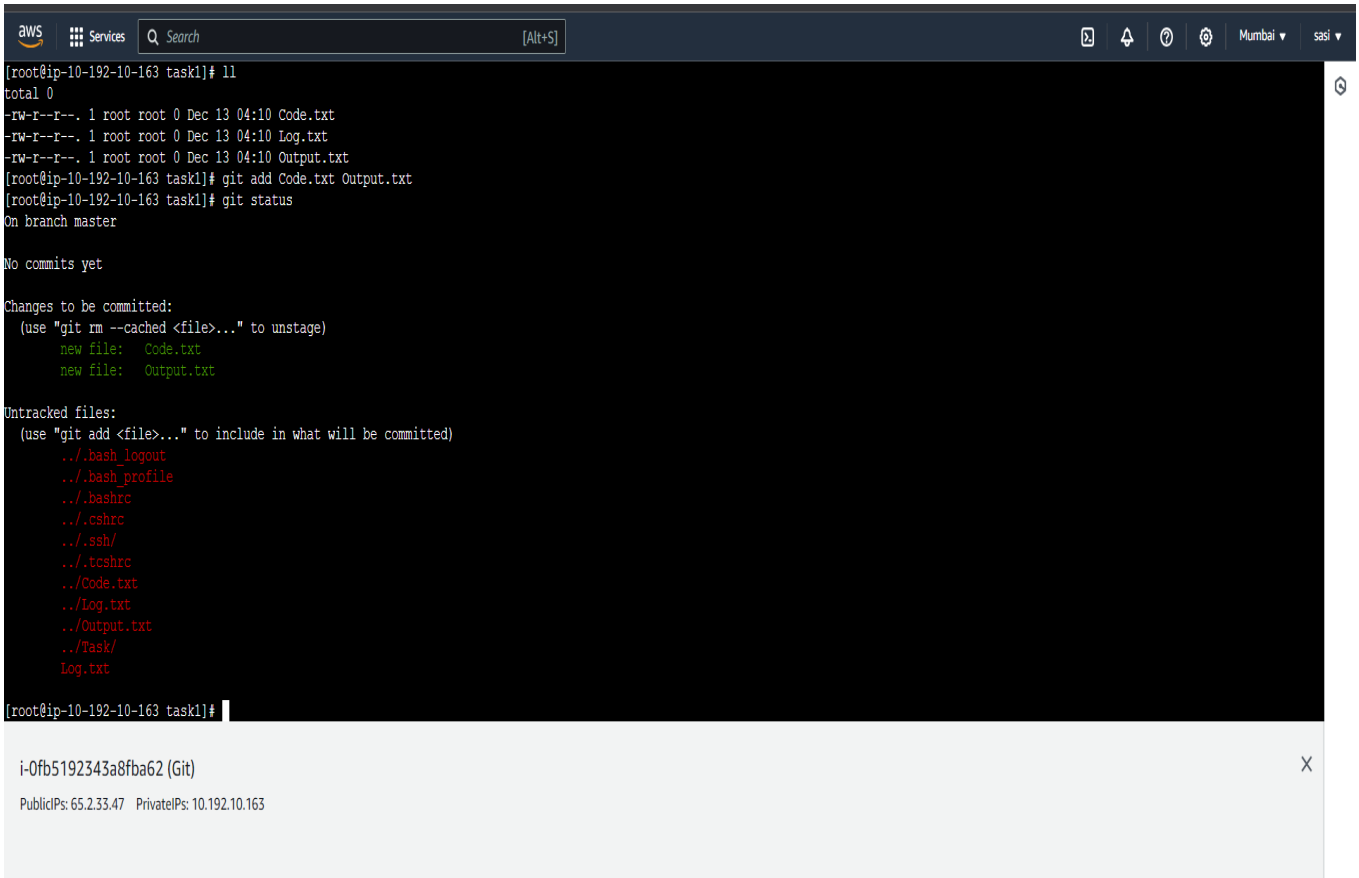
First open the console and create an Instance and connect it to the server.

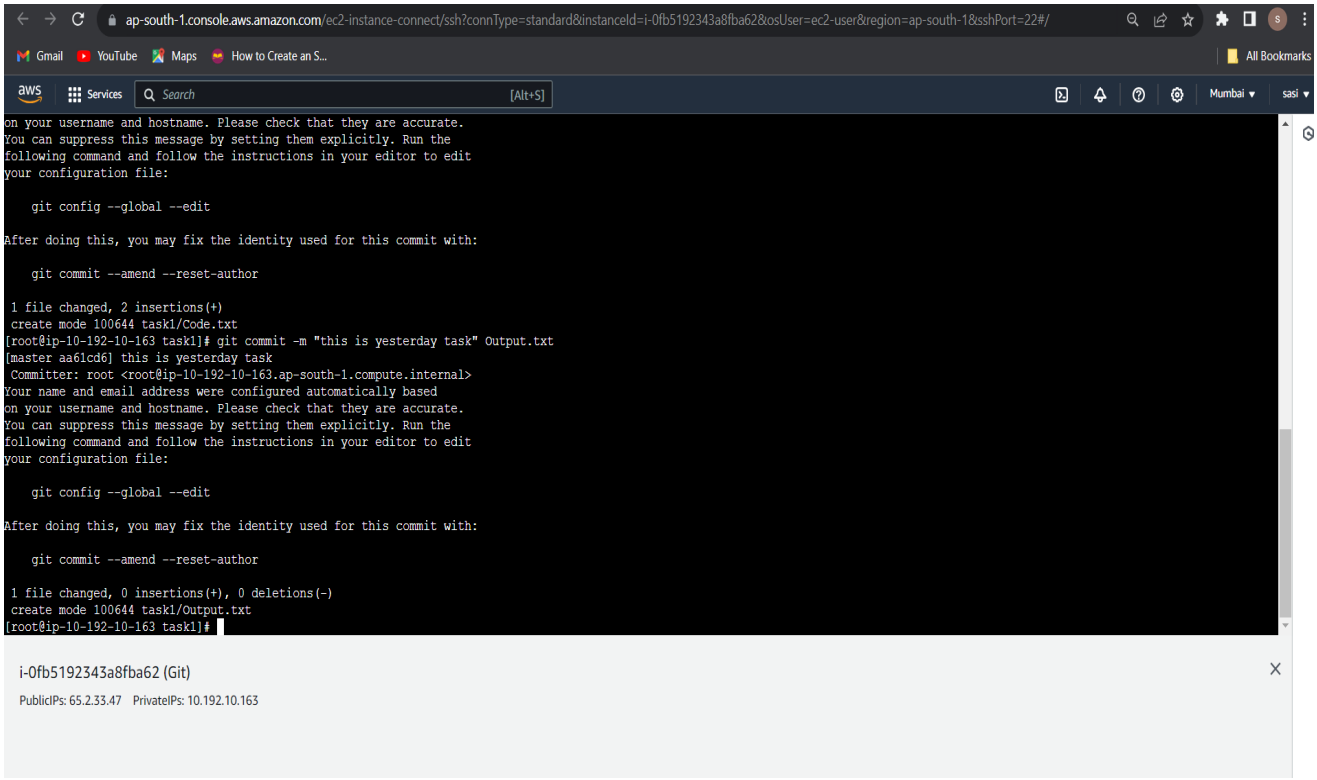


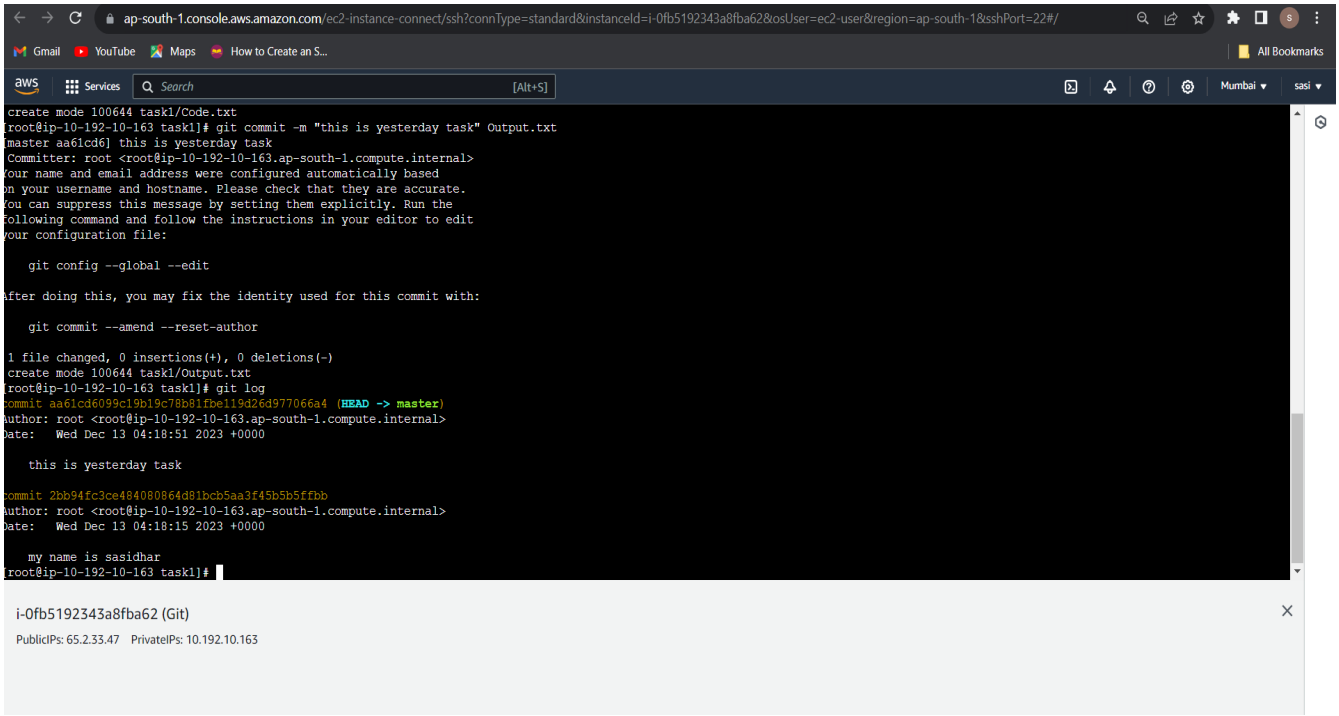

ChatGPT
Launch an instance | EC2 | ap-so
Instances | EC2 | ap-south-1
EC2 Instance Connect | ap-south
New repository
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-10-192-10-163 ~]$ sudo -i
[root@ip-10-192-10-163 ~]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


ChatGPT
Launch an instance | EC2 | ap-so
Instances | EC2 | ap-south-1
EC2 Instance Connect | ap-south
Sasidhar9632/My-Certification
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-10-192-10-163 ~]$ sudo -i
[root@ip-10-192-10-163 ~]# mkdir Task
[root@ip-10-192-10-163 ~]# cd Task
[root@ip-10-192-10-163 Task]# touch code.txt Log.txt Output.txt
[root@ip-10-192-10-163 Task]# gid add code.txt
-bash: gid: command not found
[root@ip-10-192-10-163 Task]# ls -al
total 0
drwxr-xr-x. 2 root root 55 Dec 13 03:53 .
dr-xr-x---. 4 root root 115 Dec 13 03:51 ..
-rw-r--r--. 1 root root 0 Dec 13 03:53 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 03:53 Output.txt
-rw-r--r--. 1 root root 0 Dec 13 03:53 code.txt
[root@ip-10-192-10-163 Task]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
[root@ip-10-192-10-163 ~]# 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/.git/
[root@ip-10-192-10-163 ~]# mkdir task1
[root@ip-10-192-10-163 ~]# touch Code.txt Log.txt Output.txt
[root@ip-10-192-10-163 ~]# ll
total 0
-rw-r--r--. 1 root root 0 Dec 13 04:09 Code.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Output.txt
drwxr-xr-x. 3 root root 67 Dec 13 04:07 Task
drwxr-xr-x. 2 root root 6 Dec 13 04:08 task1
[root@ip-10-192-10-163 ~]# cd task
-bash: cd: task: No such file or directory
[root@ip-10-192-10-163 ~]# cd task1
[root@ip-10-192-10-163 task1]# touch Code.txt Log.txt Output.txt
[root@ip-10-192-10-163 task1]# ll
total 0
-rw-r--r--. 1 root root 0 Dec 13 04:10 Code.txt
-rw-r--r--. 1 root root 0 Dec 13 04:10 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 04:10 Output.txt
[root@ip-10-192-10-163 task1]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


aws
Services
Search
[Alt+S]
Mumbai
sasi
[root@ip-10-192-10-163 task1]# ll
total 0
-rw-r--r--. 1 root root 0 Dec 13 04:10 Code.txt
-rw-r--r--. 1 root root 0 Dec 13 04:10 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 04:10 Output.txt
[root@ip-10-192-10-163 task1]# git add Code.txt Output.txt
[root@ip-10-192-10-163 task1]# 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)
../.bash_logout
../.bash_profile
../.bashrc
../.cshrc
../.ssh/
../.tcshrc
../Code.txt
../Log.txt
../Output.txt
../Task/
Log.txt
[root@ip-10-192-10-163 task1]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163

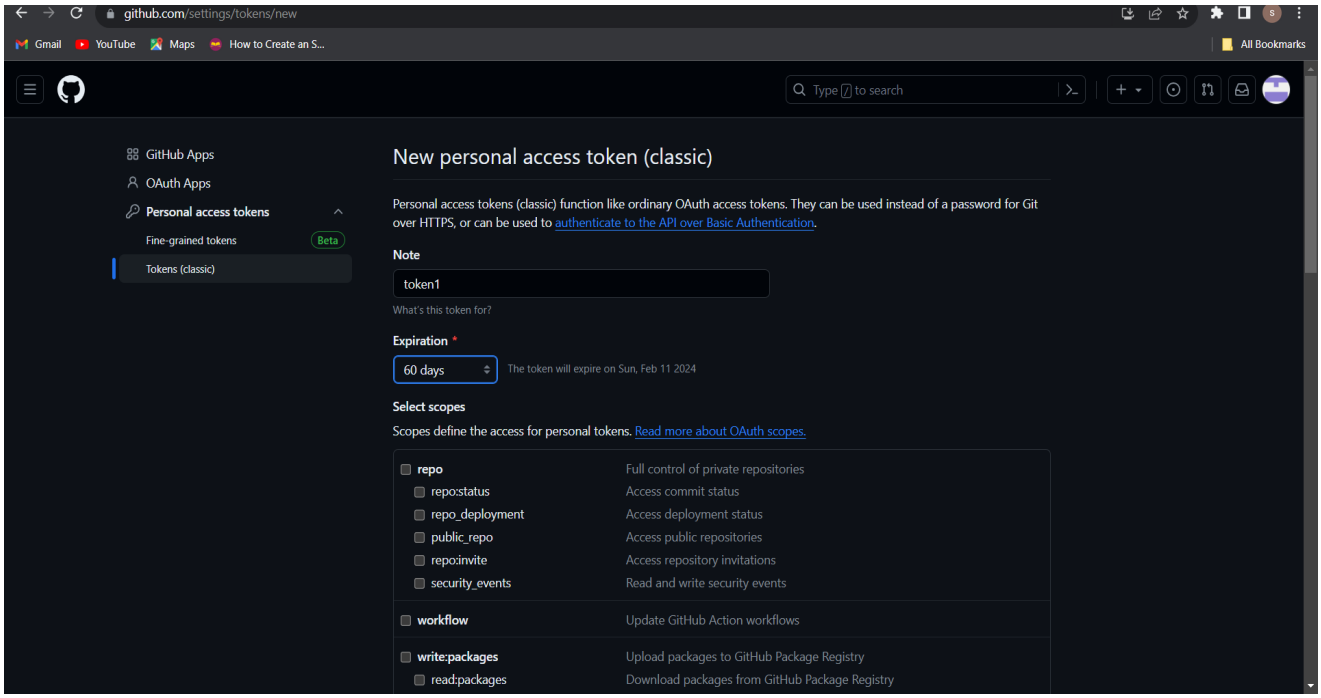

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
on your username and hostname. Please check that they 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, 2 insertions(+)
create mode 100644 task1/Code.txt
[root@ip-10-192-10-163 task1]# git commit -m "this is yesterday task" Output.txt
[master aa61cd6] this is yesterday task
Committer: root <root@ip-10-192-10-163.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 task1/Output.txt
[root@ip-10-192-10-163 task1]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
create mode 100644 task1/Code.txt
[root@ip-10-192-10-163 task1]# git commit -m "this is yesterday task" Output.txt
[master aa61cd6] this is yesterday task
Committer: root <root@ip-10-192-10-163.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 task1/Output.txt
[root@ip-10-192-10-163 task1]# git log
commit aa61cd6099c19b19c78b81fbe119d26d977066a4 (HEAD -> master)
Author: root <root@ip-10-192-10-163.ap-south-1.compute.internal>
Date: Wed Dec 13 04:18:51 2023 +0000
this is yesterday task
commit 2bb94fc3ce484080864d81bcb5aa3f45b5b5ffbb
Author: root <root@ip-10-192-10-163.ap-south-1.compute.internal>
Date: Wed Dec 13 04:18:15 2023 +0000
my name is sasidhar
[root@ip-10-192-10-163 task1]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163

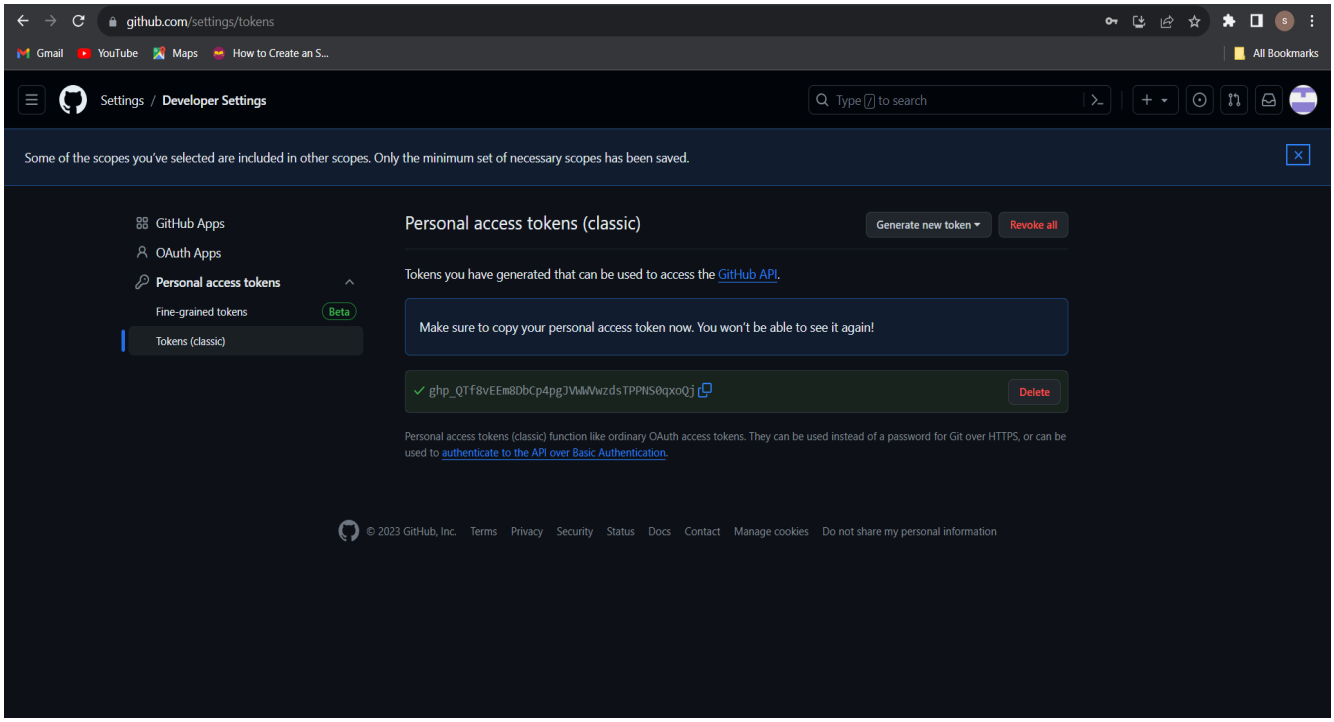
To access the git to github

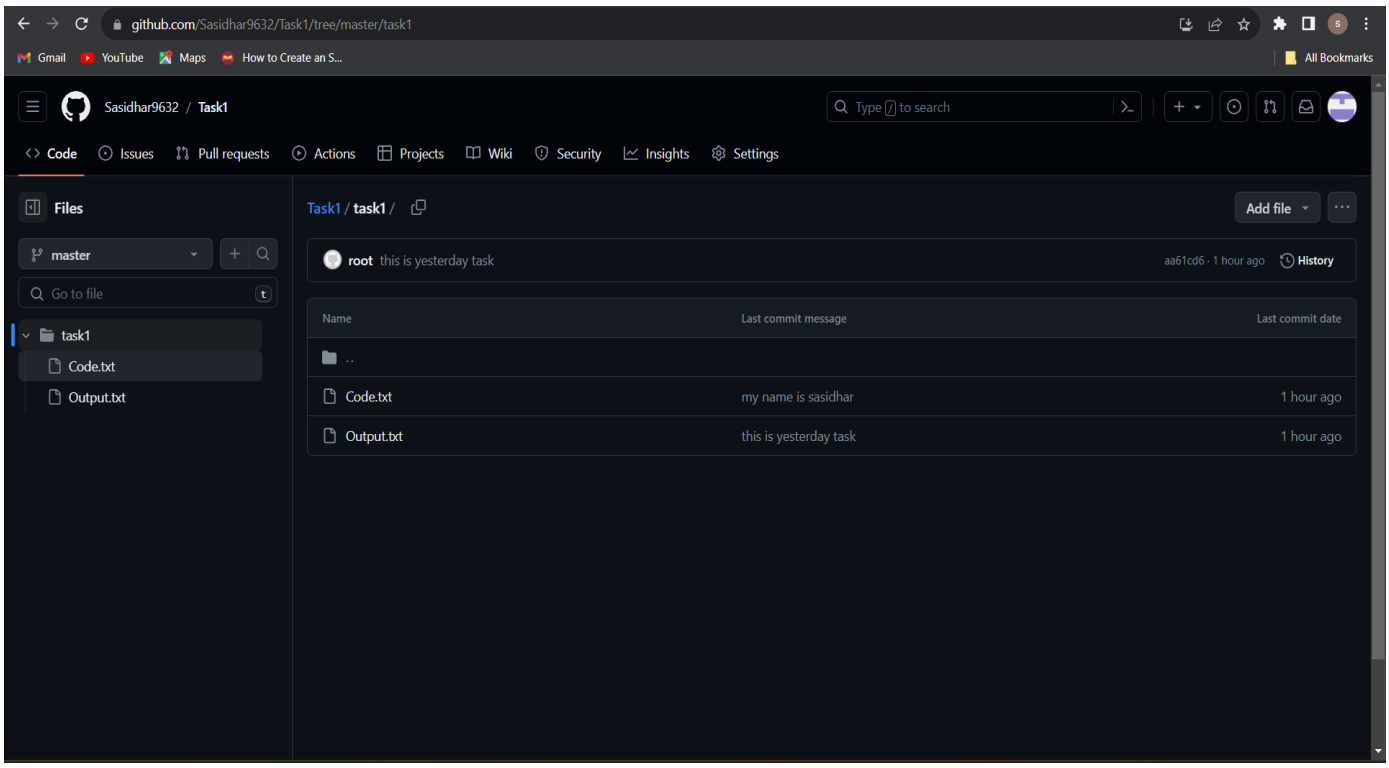
 git push -u origin master
Username for 'https://github.com': Sasidhar9632
Password for 'https://Sasidhar9632@github.com':

In password you have to generate token



Profile-settings-developer settings-generate token.

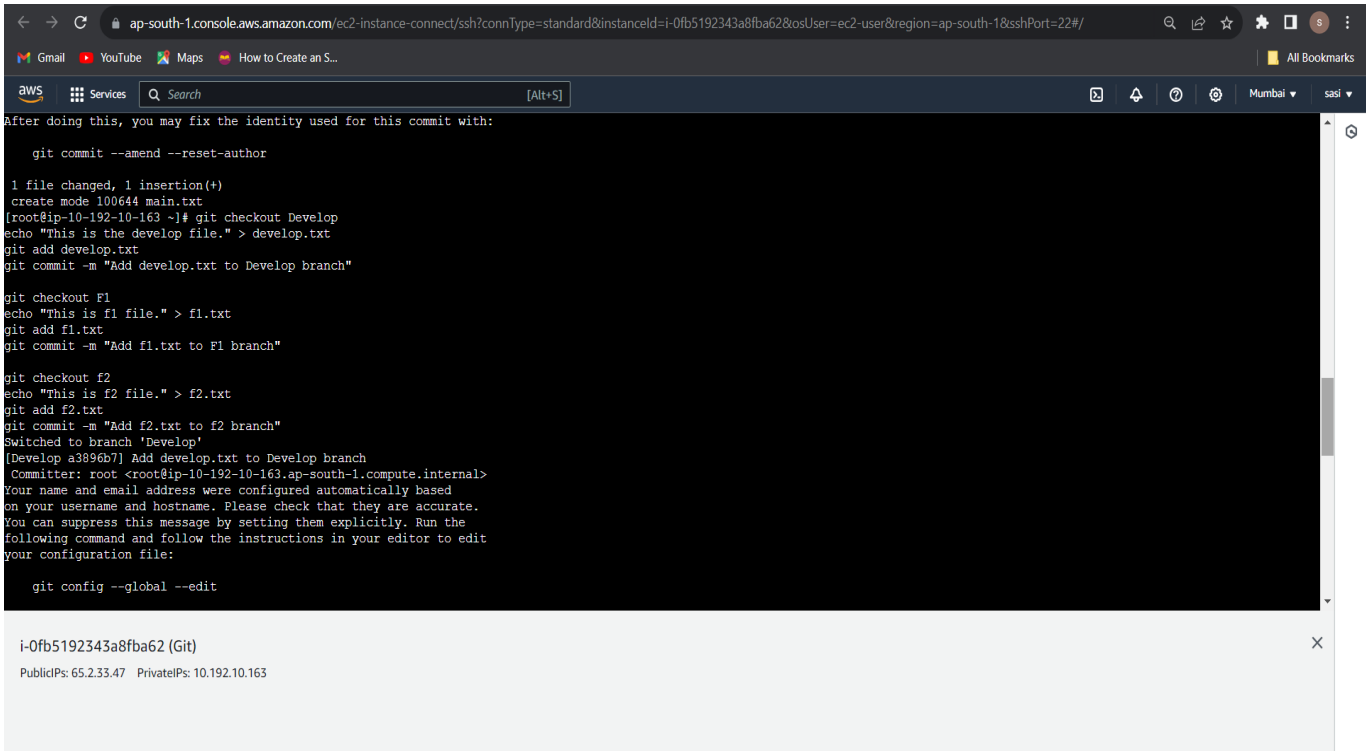

github.com/settings/tokens
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
Settings / Developer Settings
Type / to search
Some of the scopes you've selected are included in other scopes. Only the minimum set of necessary scopes has been saved.
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
Personal access tokens (classic)
Generate new token
Revoke all
Tokens you have generated that can be used to access the GitHub API.
Make sure to copy your personal access token now. You won't be able to see it again!
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
Delete
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.
© 2023 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact
Manage cookies
Do not share my personal information

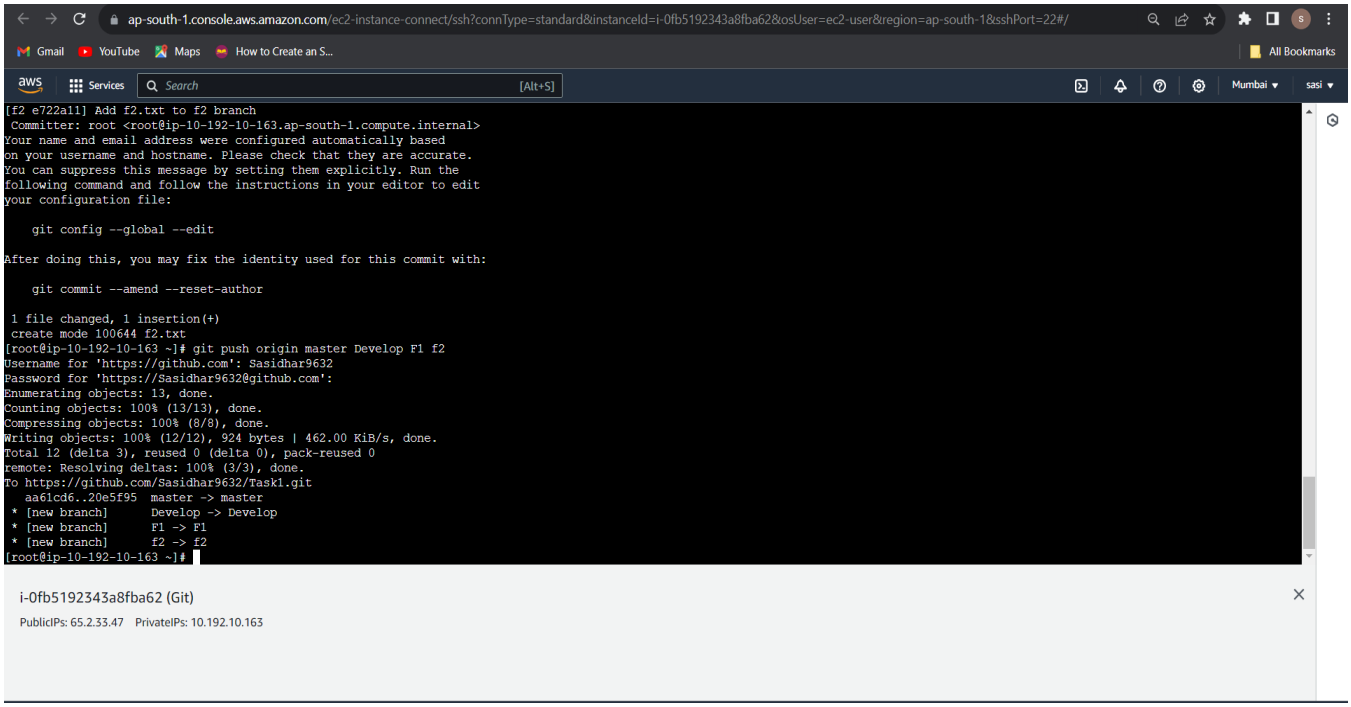

github.com/Sasidhar9632/Task1/tree/master/task1
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
Sasidhar9632 / Task1
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Files
master
Go to file
task1
Code.txt
Output.txt
Task1 / task1 /
Add file
root this is yesterday task
aa61cd6 · 1 hour ago
History
Name
Last commit message
Last commit date
..
Code.txt
my name is sasidhar
1 hour ago
Output.txt
this is yesterday task
1 hour ago

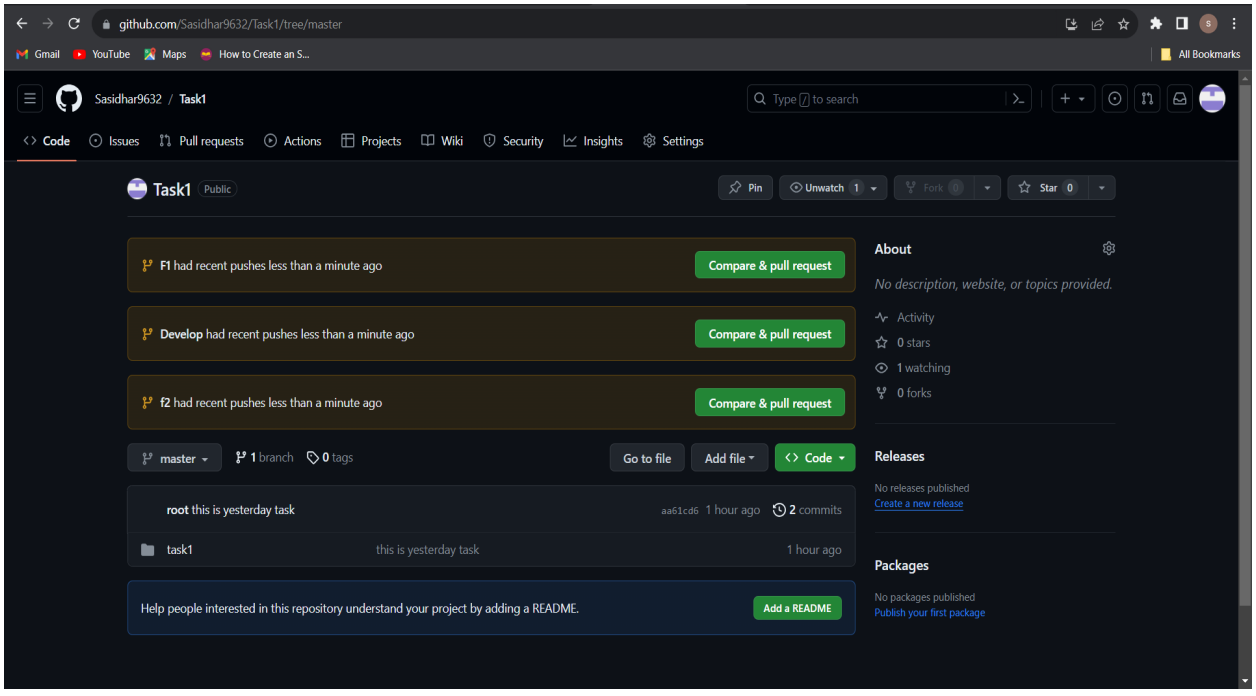
2) commands
Git int
mkdir filename
Cd foldernaame
touch Code.txt Log.txt Output.txt
git add Code.txt Output.txt
git commit -m "Add Code.txt and Output.txt"
git push origin master
git remote add origin Git repository url
Then it will ask github username
Then pass : enter token code

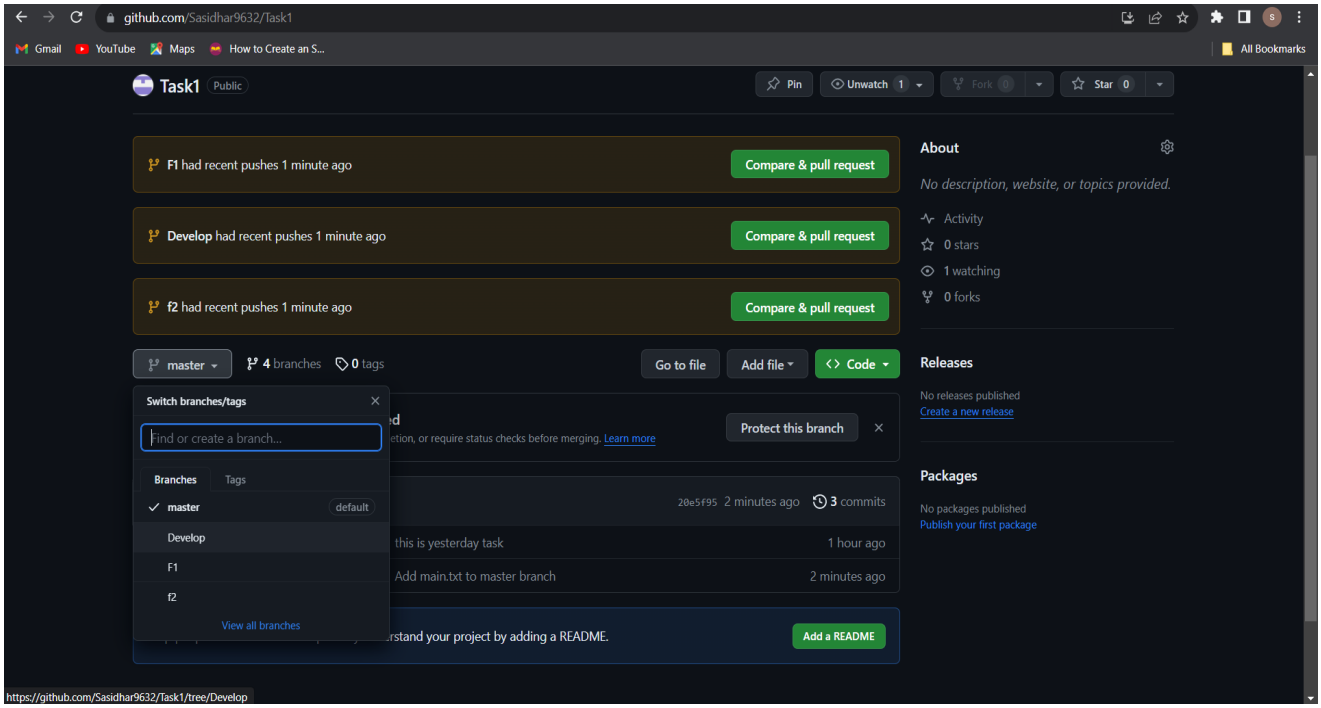
GIT TASK 2

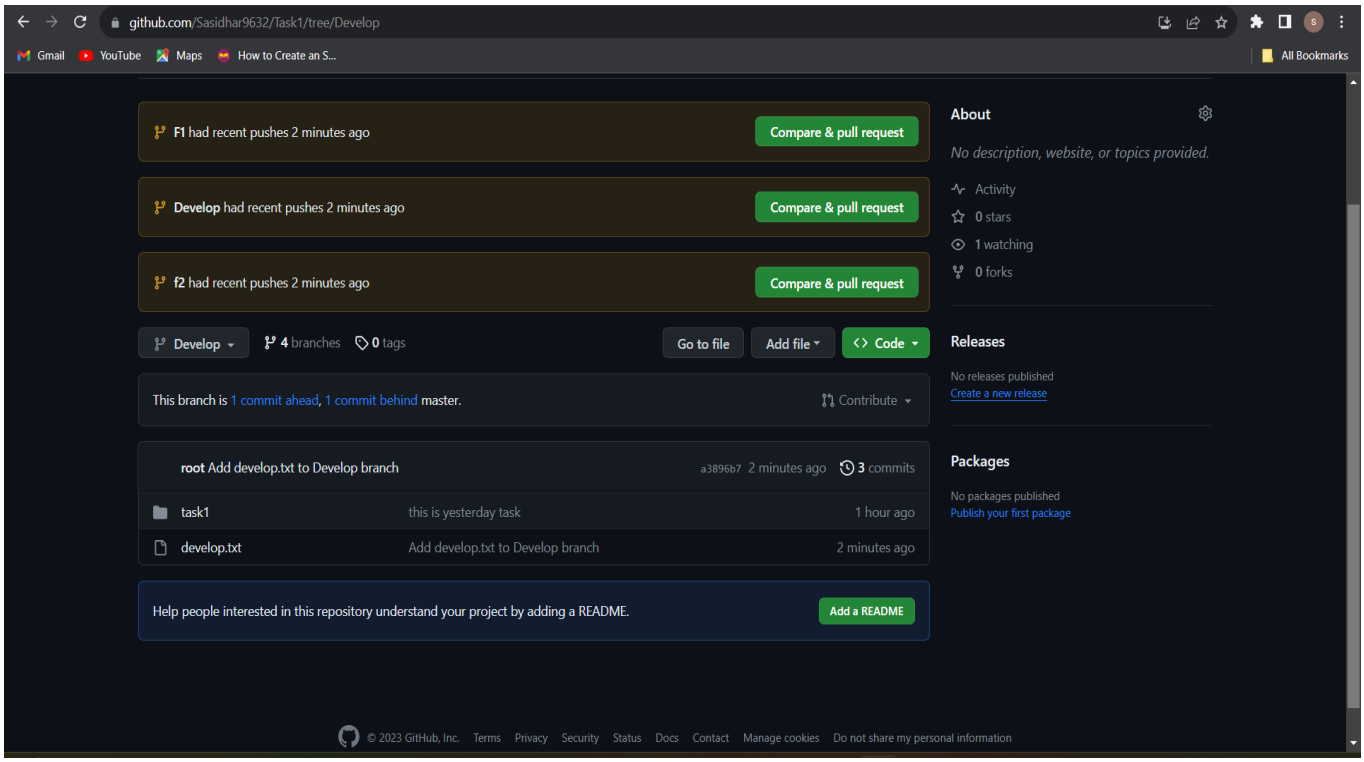
1. Create a Git working directory, with the following branches:
● Develop ● F1 ● f2
2. In the master branch, commit main.txt file
3. Put develop.txt in develop branch, f1.txt and f2.txt in f1 and f2 respectively
4. Push all these branches to GitHub
5. On local delete f2 branch 6. Delete the same branch on GitHub as well

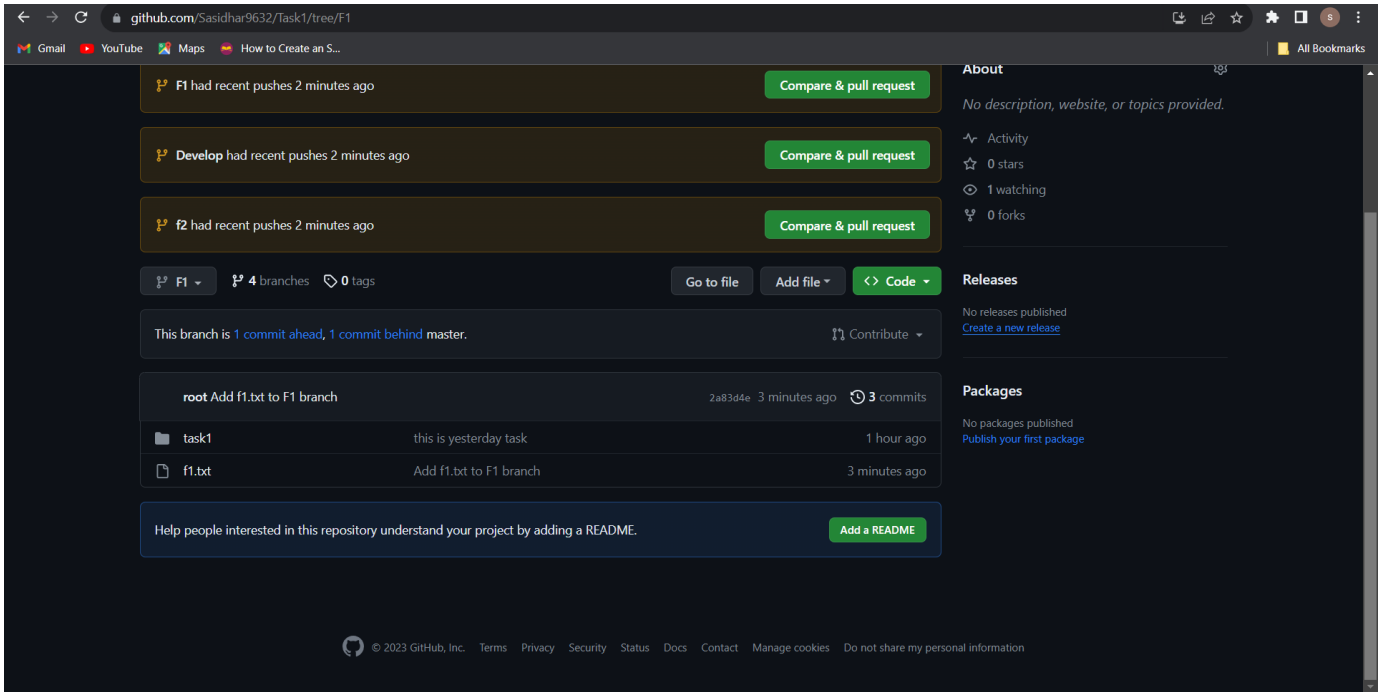


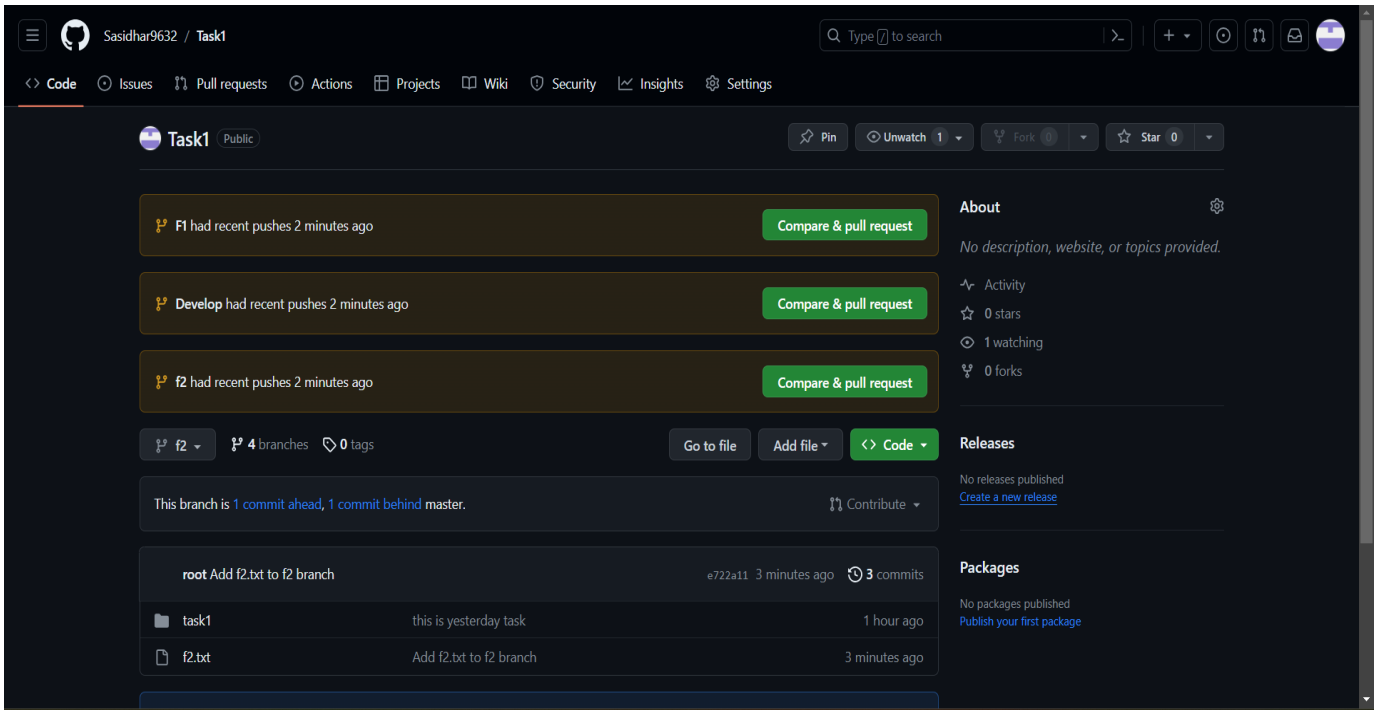

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0fb5192343a8fba62&osUser=ec2-user&region=ap-south-1&sshPort=22#/
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
sasi
[f2 e722a11] Add f2.txt to f2 branch
Committer: root <root@ip-10-192-10-163.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 f2.txt
[root@ip-10-192-10-163 ~]# git push origin master Develop F1 f2
Username for 'https://github.com': Sasidhar9632
Password for 'https://Sasidhar9632@github.com':
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (12/12), 924 bytes | 462.00 KiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/Sasidhar9632/Task1.git
aa61cd6..20e5f95 master -> master
* [new branch] Develop -> Develop
* [new branch] F1 -> F1
* [new branch] f2 -> f2
[root@ip-10-192-10-163 ~]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163

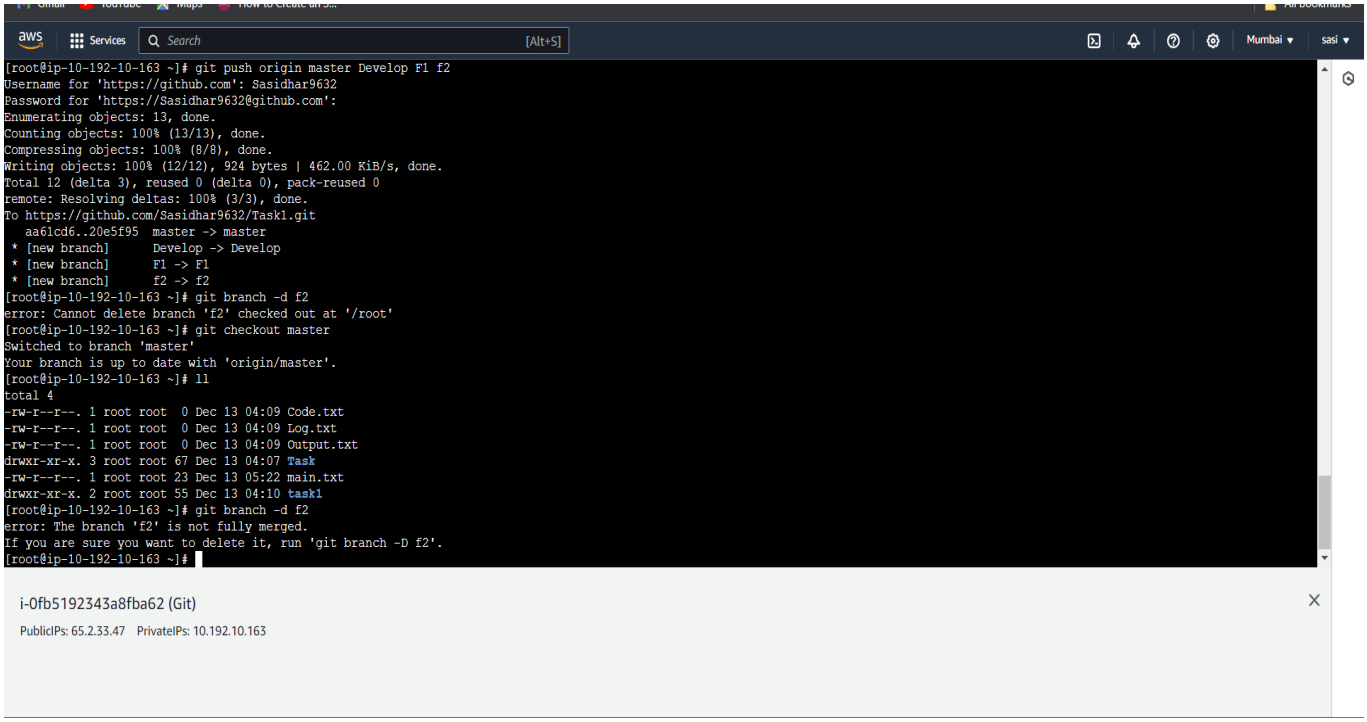

github.com/Sasidhar9632/Task1/tree/master
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
Sasidhar9632 / Task1
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Task1
Public
Pin
Unwatch 1
Fork 0
Star 0
F1 had recent pushes less than a minute ago
Compare & pull request
Develop had recent pushes less than a minute ago
Compare & pull request
f2 had recent pushes less than a minute ago
Compare & pull request
master
1 branch
0 tags
Go to file
Add file
Code
root this is yesterday task
aa61cd6 1 hour ago
2 commits
task1
this is yesterday task
1 hour ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package

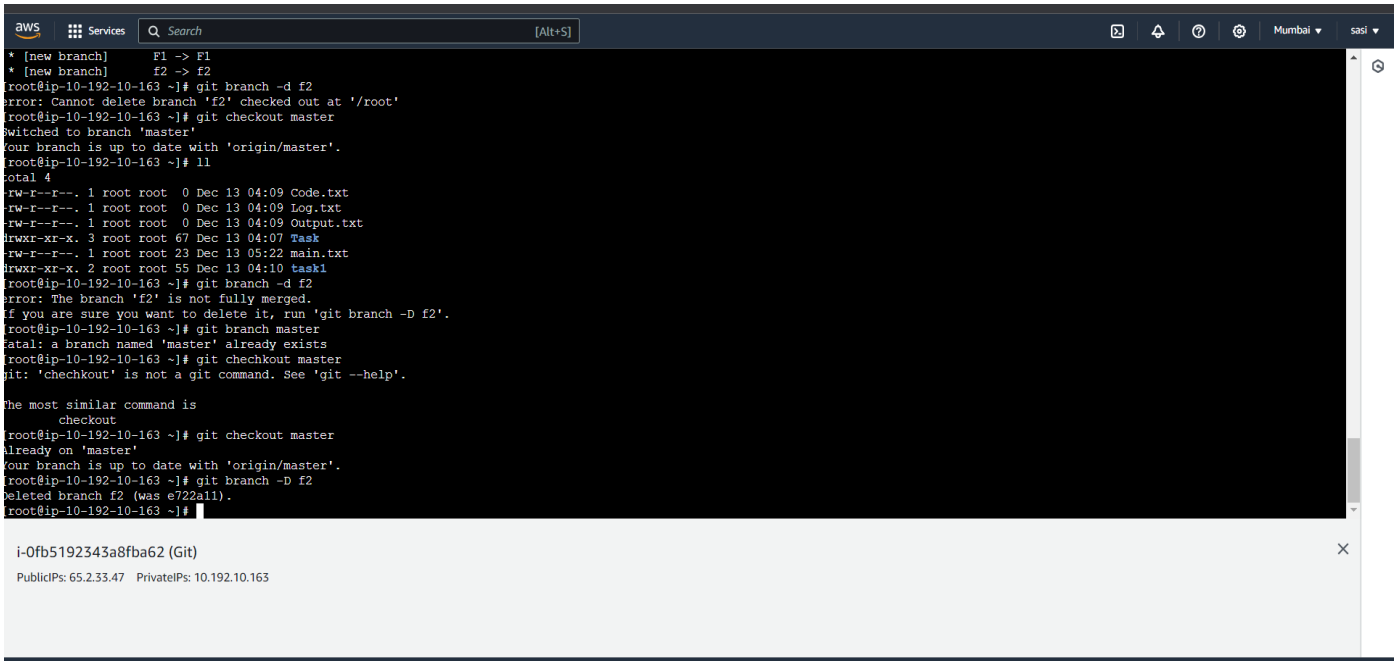

github.com/Sasidhar9632/Task1
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
Task1
Public
Pin
Unwatch 1
Fork 0
Star 0
F1 had recent pushes 1 minute ago
Compare & pull request
Develop had recent pushes 1 minute ago
Compare & pull request
f2 had recent pushes 1 minute ago
Compare & pull request
master
4 branches
0 tags
Go to file
Add file
Code
Switch branches/tags
Find or create a branch...
Branches
Tags
master
default
Develop
F1
f2
View all branches
Protect this branch
20e5f95 2 minutes ago
3 commits
this is yesterday task
1 hour ago
Add main.txt to master branch
2 minutes ago
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
https://github.com/Sasidhar9632/Task1/tree/Develop


github.com/Sasidhar9632/Task1/tree/Develop
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
F1 had recent pushes 2 minutes ago
Compare & pull request
Develop had recent pushes 2 minutes ago
Compare & pull request
f2 had recent pushes 2 minutes ago
Compare & pull request
Develop
4 branches
0 tags
Go to file
Add file
Code
This branch is 1 commit ahead, 1 commit behind master.
Contribute
root Add develop.txt to Develop branch
a3896b7 2 minutes ago
3 commits
task1
this is yesterday task
1 hour ago
develop.txt
Add develop.txt to Develop branch
2 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
© 2023 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact
Manage cookies
Do not share my personal information


github.com/Sasidhar9632/Task1/tree/F1
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
F1 had recent pushes 2 minutes ago
Compare & pull request
Develop had recent pushes 2 minutes ago
Compare & pull request
f2 had recent pushes 2 minutes ago
Compare & pull request
F1
4 branches
0 tags
Go to file
Add file
Code
This branch is 1 commit ahead, 1 commit behind master.
Contribute
root Add f1.txt to F1 branch
2a83d4e 3 minutes ago
3 commits
task1
this is yesterday task
1 hour ago
f1.txt
Add f1.txt to F1 branch
3 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
© 2023 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact
Manage cookies
Do not share my personal information


Sasidhar9632 / Task1
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Task1
Public
Pin
Unwatch 1
Fork 0
Star 0
F1 had recent pushes 2 minutes ago
Compare & pull request
Develop had recent pushes 2 minutes ago
Compare & pull request
f2 had recent pushes 2 minutes ago
Compare & pull request
f2
4 branches
0 tags
Go to file
Add file
Code
This branch is 1 commit ahead, 1 commit behind master.
Contribute
root Add f2.txt to f2 branch
e722a11 3 minutes ago
3 commits
task1
this is yesterday task
1 hour ago
f2.txt
Add f2.txt to f2 branch
3 minutes ago
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package


aws
Services
Search
[Alt+S]
Mumbai
sasi
[root@ip-10-192-10-163 ~]# git push origin master Develop F1 f2
Username for 'https://github.com': Sasidhar9632
Password for 'https://Sasidhar9632@github.com':
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (12/12), 924 bytes | 462.00 KiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/Sasidhar9632/Task1.git
aa61cd6..20e5f95 master -> master
* [new branch] Develop -> Develop
* [new branch] F1 -> F1
* [new branch] f2 -> f2
[root@ip-10-192-10-163 ~]# git branch -d f2
error: Cannot delete branch 'f2' checked out at '/root'
[root@ip-10-192-10-163 ~]# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[root@ip-10-192-10-163 ~]# ll
total 4
-rw-r--r--. 1 root root 0 Dec 13 04:09 Code.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Output.txt
drwxr-xr-x. 3 root root 67 Dec 13 04:07 Task
-rw-r--r--. 1 root root 23 Dec 13 05:22 main.txt
drwxr-xr-x. 2 root root 55 Dec 13 04:10 task1
[root@ip-10-192-10-163 ~]# git branch -d f2
error: The branch 'f2' is not fully merged.
If you are sure you want to delete it, run 'git branch -D f2'.
[root@ip-10-192-10-163 ~]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


aws
Services
Search
[Alt+S]
Mumbai
sasi
* [new branch] F1 -> F1
* [new branch] f2 -> f2
root@ip-10-192-10-163 ~]# git branch -d f2
error: Cannot delete branch 'f2' checked out at '/root'
root@ip-10-192-10-163 ~]# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-10-192-10-163 ~]# ll
total 4
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-rw-r--r--. 1 root root 0 Dec 13 04:09 Log.txt
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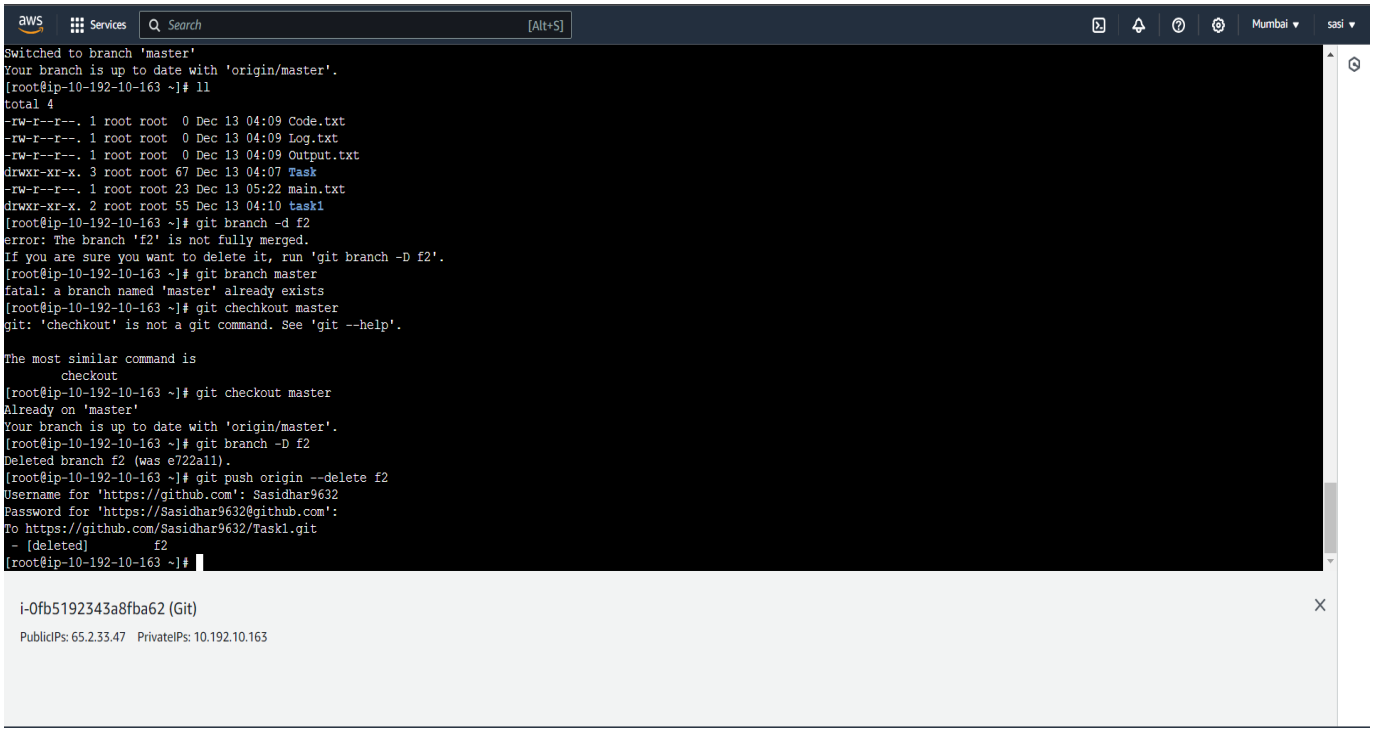
drwxr-xr-x. 3 root root 67 Dec 13 04:07 Task
-rw-r--r--. 1 root root 23 Dec 13 05:22 main.txt
drwxr-xr-x. 2 root root 55 Dec 13 04:10 task1
root@ip-10-192-10-163 ~]# git branch -d f2
error: The branch 'f2' is not fully merged.
If you are sure you want to delete it, run 'git branch -D f2'.
root@ip-10-192-10-163 ~]# git branch master
fatal: a branch named 'master' already exists
root@ip-10-192-10-163 ~]# git chechkout master
git: 'chechkout' is not a git command. See 'git --help'.
The most similar command is
checkout
root@ip-10-192-10-163 ~]# git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
root@ip-10-192-10-163 ~]# git branch -D f2
Deleted branch f2 (was e722a11).
root@ip-10-192-10-163 ~]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


aws
Services
Search
[Alt+S]
Mumbai
sasi
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[root@ip-10-192-10-163 ~]# ll
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-rw-r--r--. 1 root root 0 Dec 13 04:09 Code.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Log.txt
-rw-r--r--. 1 root root 0 Dec 13 04:09 Output.txt
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-rw-r--r--. 1 root root 23 Dec 13 05:22 main.txt
drwxr-xr-x. 2 root root 55 Dec 13 04:10 task1
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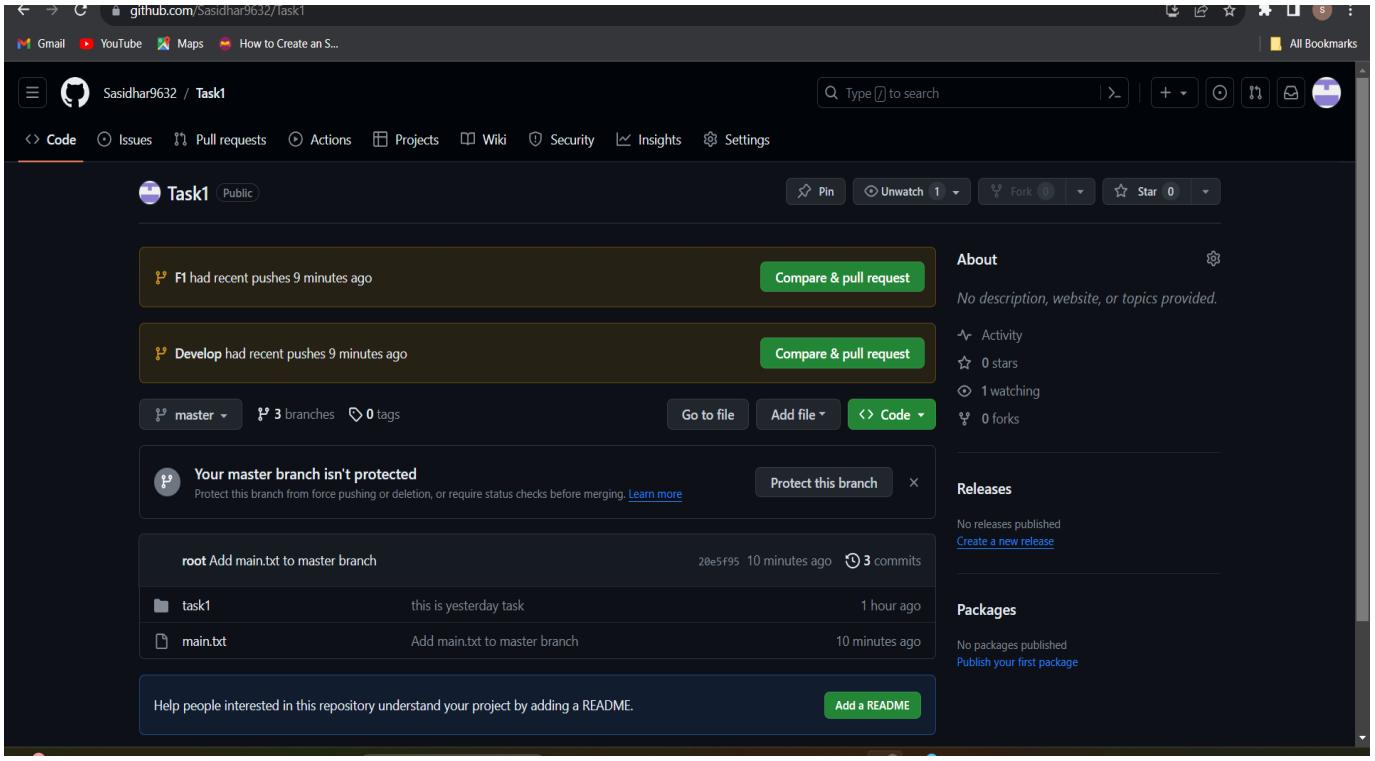
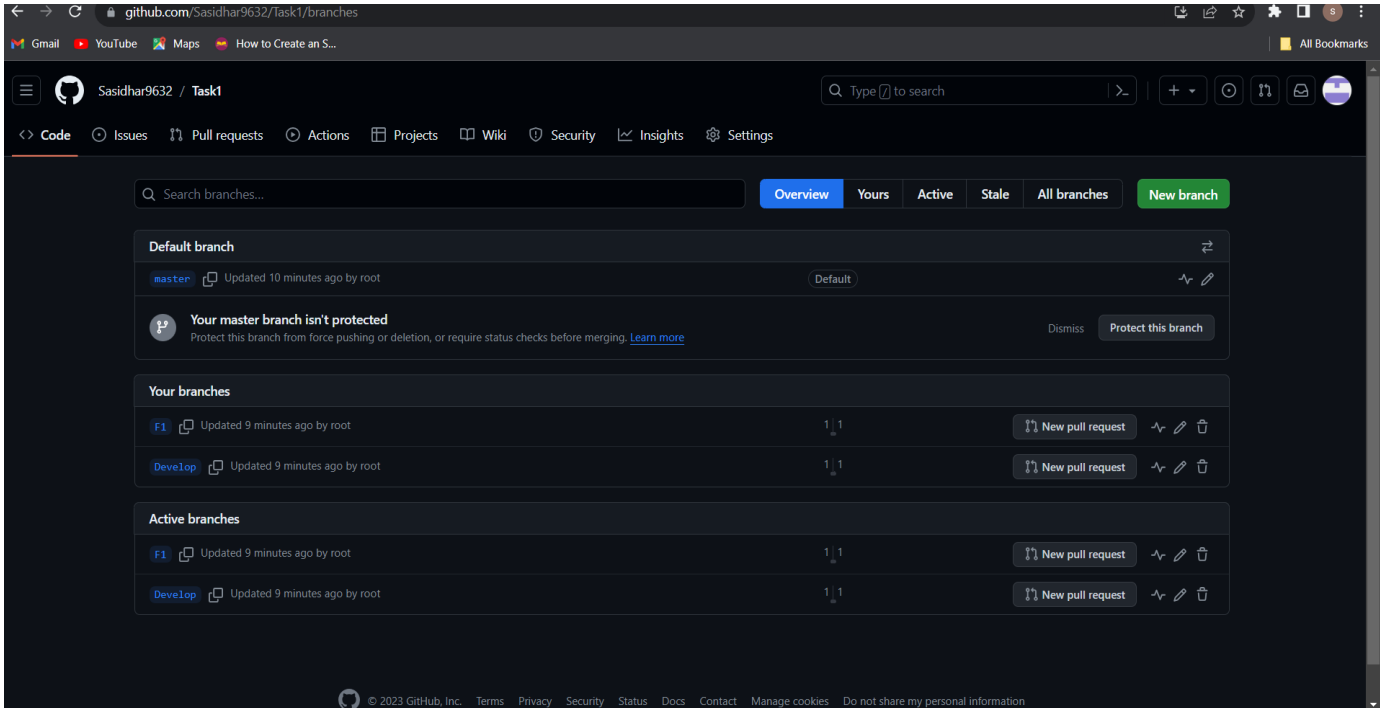
Your branch is up to date with 'origin/master'.
[root@ip-10-192-10-163 ~]# git branch -D f2
Deleted branch f2 (was e722a11).
[root@ip-10-192-10-163 ~]# git push origin --delete f2
Username for 'https://github.com': Sasidhar9632
Password for 'https://Sasidhar9632@github.com':
To https://github.com/Sasidhar9632/Task1.git
- [deleted]   f2
[root@ip-10-192-10-163 ~]#
i-0fb5192343a8fba62 (Git)
PublicIPs: 65.2.33.47 PrivateIPs: 10.192.10.163


github.com/Sasidhar9632/Task1
Gmail
YouTube
Maps
How to Create an S...
All Bookmarks
Sasidhar9632 / Task1
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Task1
Public
Pin
Unwatch 1
Fork 0
Star 0
F1 had recent pushes 9 minutes ago
Compare & pull request
Develop had recent pushes 9 minutes ago
Compare & pull request
master
3 branches
0 tags
Go to file
Add file
Code
Your master branch isn't protected
Protect this branch from force pushing or deletion, or require status checks before merging. Learn more
Protect this branch
root Add main.txt to master branch
20e5f95 10 minutes ago
3 commits
task1
this is yesterday task
1 hour ago
main.txt
Add main.txt to master branch
10 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package



Commands

1) git init
git checkout -b Develop
git checkout -b F1
git checkout -b f2

2) git checkout master
echo "This is the main file." > main.txt
git add main.txt
git commit -m "Add main.txt to master branch"

3) git checkout Develop
echo "This is the develop file." > develop.txt
git add develop.txt
git commit -m "Add develop.txt to Develop branch"

git checkout F1
echo "This is f1 file." > f1.txt
git add f1.txt
git commit -m "Add f1.txt to F1 branch"

git checkout f2
echo "This is f2 file." > f2.txt

git add f2.txt
git commit -m "Add f2.txt to f2 branch"

4) git push origin master Develop F1 f2

5) git branch -D f2

6) git push origin --delete f2