

Assignment No. 1

Email: harshalgite888@gmail.com

Tasks:

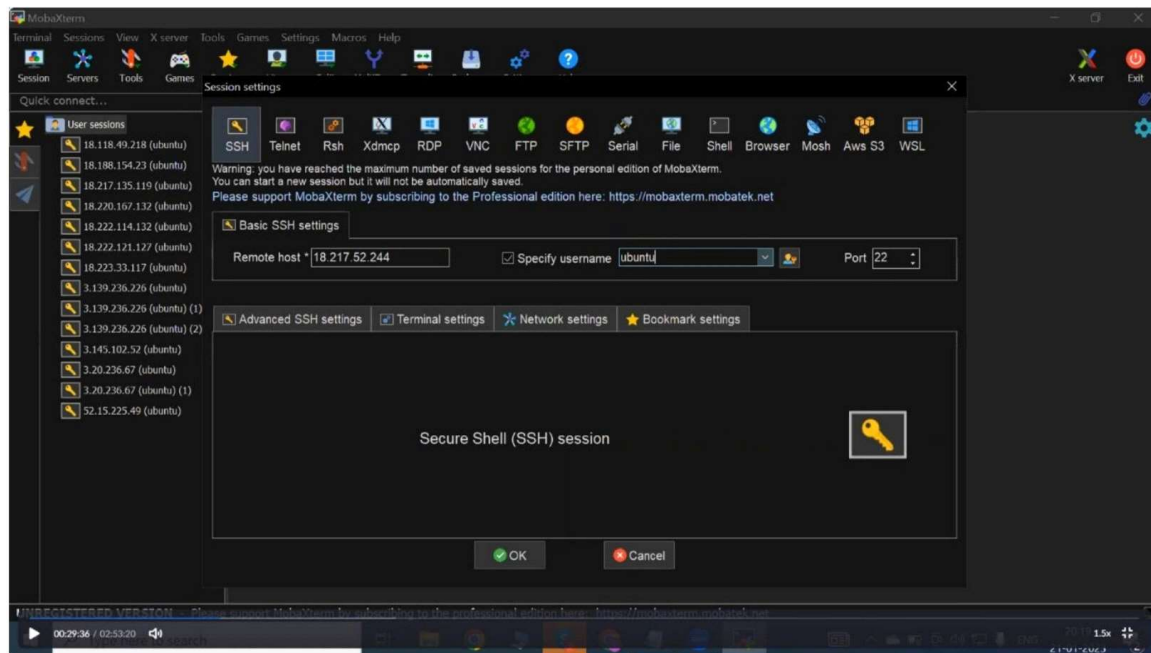
1. Based on what you have learnt in the class, do the following steps:
 - a. Create a new folder
 - b. Put the following files in the folder:
 - i) Code.txt
 - ii) Log.txt
 - iii) Output.txt
 - c. Stage the Code.txt and Output.txt files
 - d. Commit them
 - e. And finally push them to GitHub

Solution:

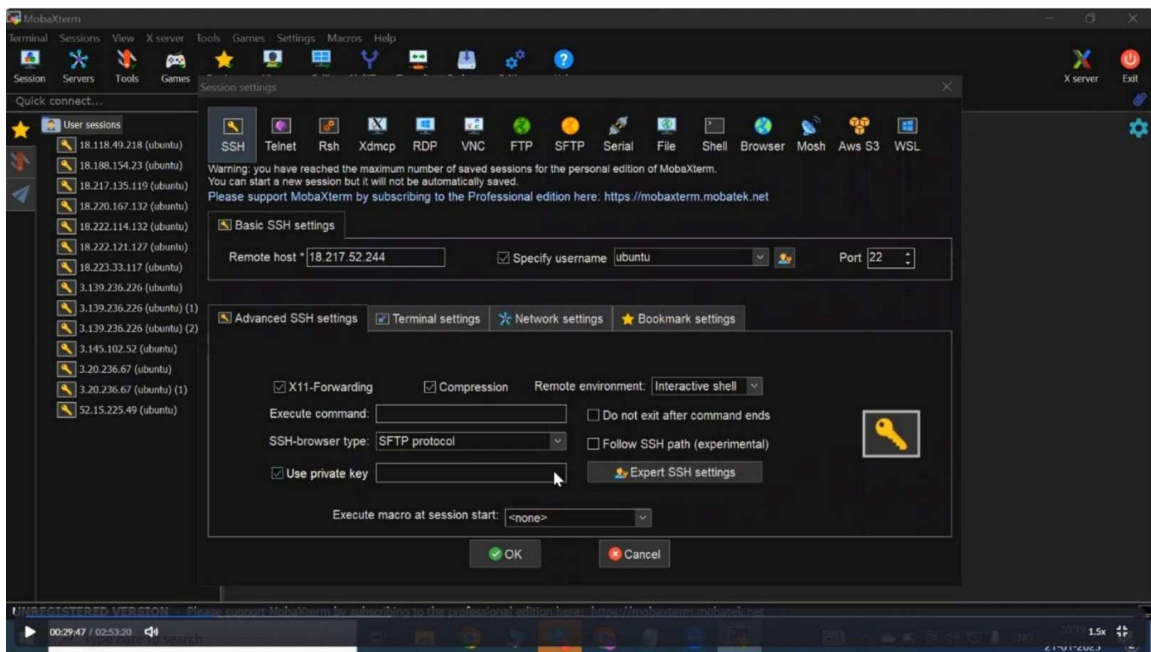
Steps:

1. Create an ec2 instance using Ubuntu AMI . Once the instance is running copy the public IP address.

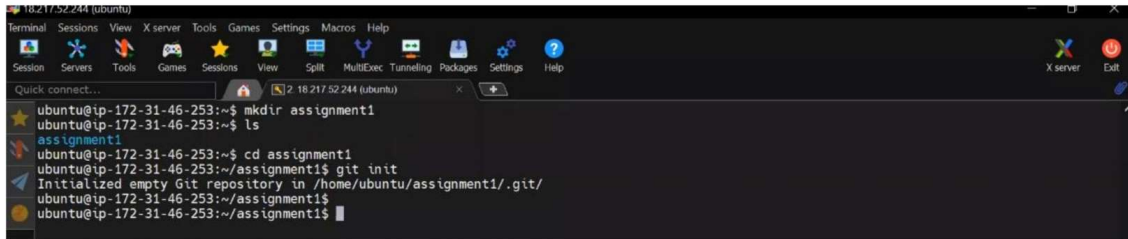
Open putty or mobaxterm app and paste the IP address in remote host . Type in ubuntu as specify username . Then click on advanced ssh settings.



2. In the private key option , select the private key that you have used in your EC2 instance and then click on OK.

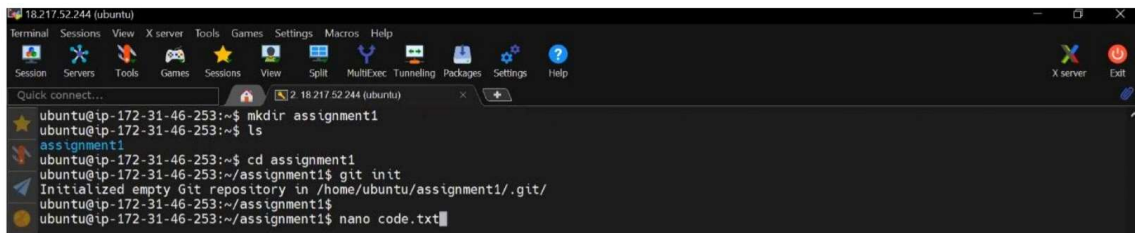


3. Once the terminal is running , create a folder by typing “mkdir assignment1”. Then type “cd assignment1” to go inside the assignment1 folder . To make your folder accept all the git commands type “git init” and click enter .



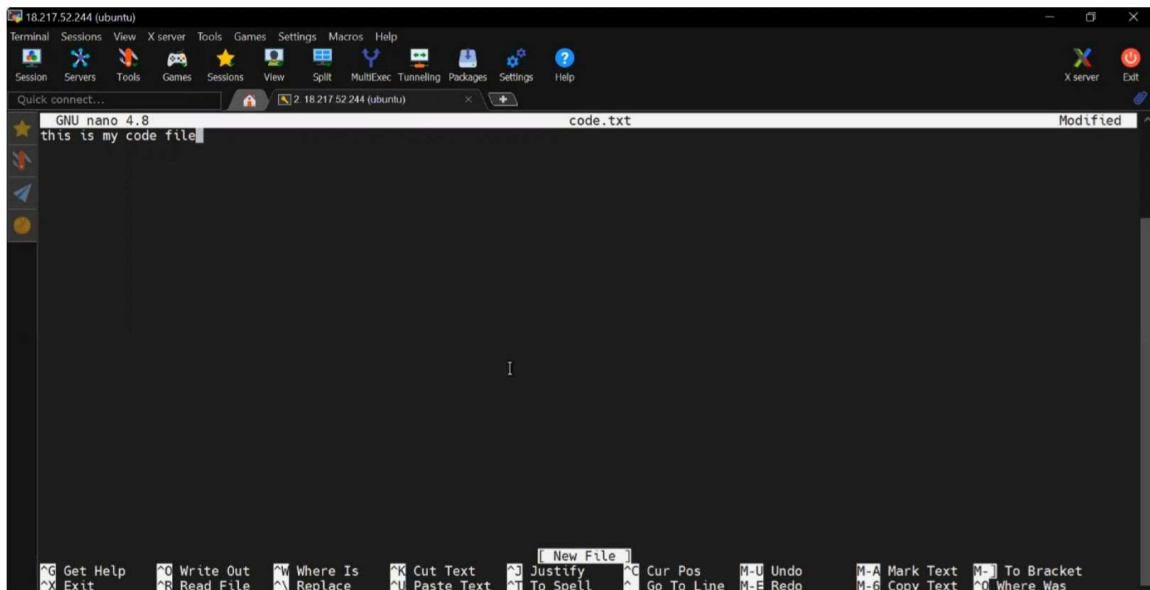
```
18.217.52.244 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2 18.217.52.244 (ubuntu)
ubuntu@ip-172-31-46-253:~$ mkdir assignment1
ubuntu@ip-172-31-46-253:~$ ls
assignment1
ubuntu@ip-172-31-46-253:~$ cd assignment1
ubuntu@ip-172-31-46-253:~/assignment1$ git init
Initialized empty Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-46-253:~/assignment1$
```

4. Now type “nano code.txt” to create files inside your assignment1 folder and click enter .



```
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Quick connect... 2 18.217.52.244 (ubuntu)
ubuntu@ip-172-31-46-253:~$ mkdir assignment1
ubuntu@ip-172-31-46-253:~$ ls
assignment1
ubuntu@ip-172-31-46-253:~$ cd assignment1
ubuntu@ip-172-31-46-253:~/assignment1$ git init
Initialized empty Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-46-253:~/assignment1$ nano code.txt
```

5. Enter any text inside your file . Once done click ctrl+s to save and ctrl+x to exit .



```
18.217.52.244 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2 18.217.52.244 (ubuntu)
GNU nano 4.8 code.txt Modified
this is my code file
I
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^= Justify ^G Cur Pos ^M-I Undo ^M-A Mark Text ^M-] To Bracket
^X Exit ^R Read File ^N Replace ^U Paste Text ^_ To Spell ^G Go To Line ^M-E Redo ^M-C Copy Text ^M-^ Where Was
```

6. Similarly create remaining two folders output.txt and log .txt.

```
18.217.52.244 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
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Quick connect... 2 18.217.52.244 (ubuntu)
ubuntu@ip-172-31-46-253:~$ mkdir assignment1
ubuntu@ip-172-31-46-253:~$ ls
assignment1
ubuntu@ip-172-31-46-253:~$ cd assignment1
ubuntu@ip-172-31-46-253:~/assignment1$ git init
Initialized empty Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-46-253:~/assignment1$
ubuntu@ip-172-31-46-253:~/assignment1$ nano code.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano log.txt
```

7. Now to add the two folder type in “git add code.txt” and “git add output.txt”. Hence the two files are staged.

```
18.217.52.244 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2 18.217.52.244 (ubuntu)
ubuntu@ip-172-31-46-253:~$ mkdir assignment1
ubuntu@ip-172-31-46-253:~$ ls
assignment1
ubuntu@ip-172-31-46-253:~$ cd assignment1
ubuntu@ip-172-31-46-253:~/assignment1$ git init
Initialized empty Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-46-253:~/assignment1$
ubuntu@ip-172-31-46-253:~/assignment1$ nano code.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano log.txt
ubuntu@ip-172-31-46-253:~/assignment1$ ls
code.txt log.txt output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git add code.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git add output.txt
```

8. You will see the output as seen below once the files are staged successfully.

```
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Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
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ubuntu@ip-172-31-46-253:~$ mkdir assignment1
ubuntu@ip-172-31-46-253:~$ ls
assignment1
ubuntu@ip-172-31-46-253:~$ cd assignment1
ubuntu@ip-172-31-46-253:~/assignment1$ git init
Initialized empty Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-46-253:~/assignment1$
ubuntu@ip-172-31-46-253:~/assignment1$ nano code.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ nano log.txt
ubuntu@ip-172-31-46-253:~/assignment1$ ls
code.txt log.txt output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git add code.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git add output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ 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
ubuntu@ip-172-31-46-253:~/assignment1$
```

9. Now to commit the files type in “git commit -m “commit 1” and hit enter . Hence the files will get committed.

```
18.217.52.244 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2 18.217.52.244 (ubuntu)
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
ubuntu@ip-172-31-46-253:~/assignment1$ git commit -m "commit 1"
[master (root-commit) 091ec59] commit 1
Committer: Ubuntu <ubuntu@ip-172-31-46-253.us-east-2.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
2 files changed, 2 insertions(+)
create mode 100644 code.txt
create mode 100644 output.txt
ubuntu@ip-172-31-46-253:~/assignment1$
```

10. Now go to your GitHub account . Click on New to create a new repository .
- Give you repository a name and scroll down and click on create .

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Owner * am29work / Repository name * jan

Great repository names are [jan is available.](#) orable. Need inspiration? How about [bookish-system?](#)

Description (optional)

11. Once it is created you will see an HTTPS link . Copy it .

am29work / janGIT Public

Pin Unwatch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

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

Set up in Desktop or HTTPS SSH <https://github.com/am29work/janGIT.git>

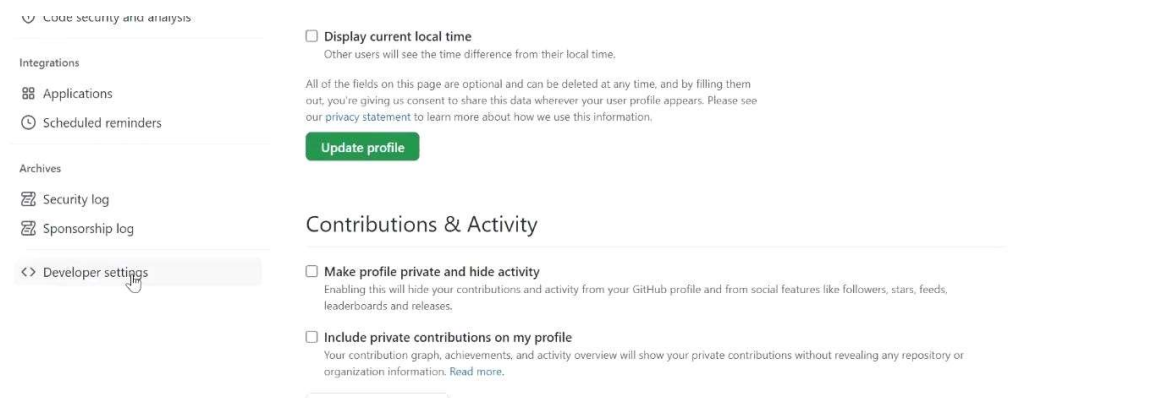
Get started by creating a new file or uploading an existing file. We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

12. Come back to your terminal and type in “git add remote origin ” and paste the copied link and hit enter. Then type in “git push origin master” and hit enter to connect your folder to your GitHub repository.

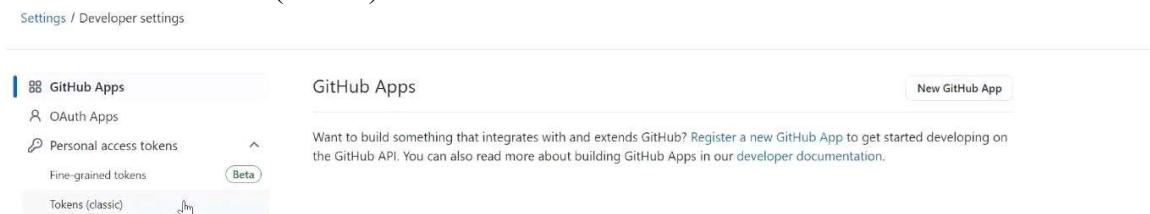
Enter your GitHub username below and hit enter.

```
git config --global --edit
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
2 files changed, 2 insertions(+)
create mode 100644 code.txt
create mode 100644 output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git remote add origin https://github.com/am29work/janGIT.git
ubuntu@ip-172-31-46-253:~/assignment1$ git push origin master
Username for 'https://github.com':
```

13. Then go to your repository settings > select developer settings .



14. Click on Personal access tokens > tokens (classic) > Generate new tokens > Generatenew tokens (classic) and hit enter.

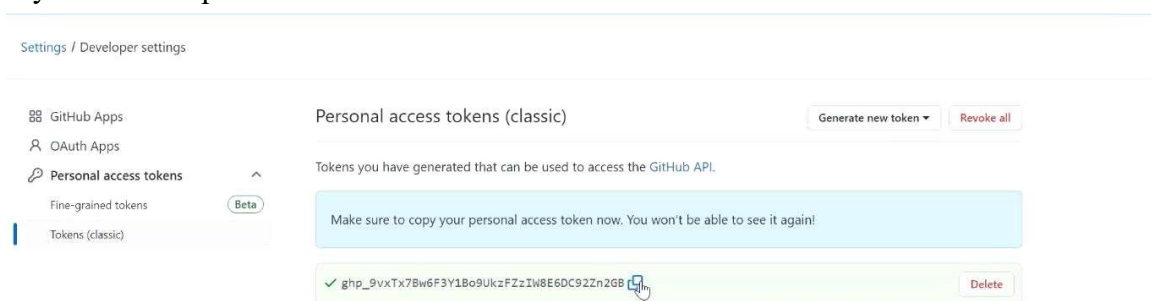




15. Give your token a name and select all the options from the drop down then click on generate token.



16. After that you will be able to see the token . Copy it and paste it on your terminal as your GitHub password.



17. Click enter and you will see the below output on your terminal .


```
Log.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git commit -m "commit 1"
[master (root-commit) 091ec59] commit 1
Committer: Ubuntu <ubuntu@ip-172-31-46-253.us-east-2.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

2 files changed, 2 insertions(+)
create mode 100644 code.txt
create mode 100644 output.txt
ubuntu@ip-172-31-46-253:~/assignment1$ git remote add origin https://github.com/am29work/janGIT.git
ubuntu@ip-172-31-46-253:~/assignment1$ git push origin master
Username for 'https://github.com': am29work
Password for 'https://am29work@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 307 bytes | 307.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/am29work/janGIT.git
 * [new branch] master -> master
ubuntu@ip-172-31-46-253:~/assignment1$
```

18. Go back to your GitHub repository and there you will be able to see the staged filecode.txt and output.txt . Hence the files are committed successfully.

