**Project on git:**

Create a new GitHub repository, push sample files from local to remote, with a commit message of 'First commit'. Please note that the repository should be set to private.

**Step1:** Launch the ec2 instance & connect

**Step2:** Install git

**Step3:** Create directory & switch to the directory

**mkdir mygit1**

**cd mygit1**

**Step4:** Config the user

**git config --global user.name "Shweta"**

**git config --global user.email "shwetamchavhan@gmail.com"**

**git config –list**

**Step5:** Now initialize the git using below command, the command is used to initialize the git repo

**Git init**

**Step6:** create file & content

**vi my file**

**echo ” Welcome to git class”**

**Save exit (:wq!)**

**Cat myfile**

**Step7:** Check the git status, in order to check whether file is in workspace, staging area or local repo

**Git status**

**Step8:** Now add file from workspace to staging area and check the status

**Git add filename**

**Git status**

**Step9:** Now commit the code from staging area to local repo

Git commit -m “message”

**Step10:** Now check the commit id using command

**Git log**

& check the content in commit id using below command

**Git show “commit id”**

**Step11:** Now create one repository in git hub & get the URL of repo

Git remote add origin “past the URL”

(this command is used to establish the connection between local repo and central repo)

**Step12:** Push the code to central repo

Git push orgin master

Username: github username

Password: need to give token instead of password

**How to generate token**

Github > profile setting > developer settings > personal access token (classic) >

Click on new token generate (classic) > give name > select repo > click on generate token

**Step13:** Go to Git hub & check the repository

Project 2: Pull the code from git hub to local repository

Step1: Launch another instance in same region or in different region

Step 2: again do the steps as above till git init

Means

* Install git
* Create directory & switch to directory
* Config user
* Initialize git
* Now need to establish the connection as we are pulling the code
* Git remote add origin “URL”
* Now pull the code git pull origin master
* Ls
* Cat myfile