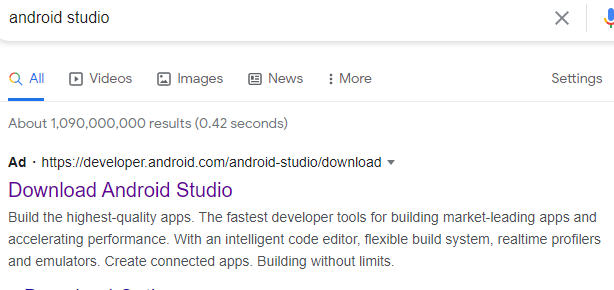
Subject: Mobile Computing  
Instructor: Prof. Haq Nawaz

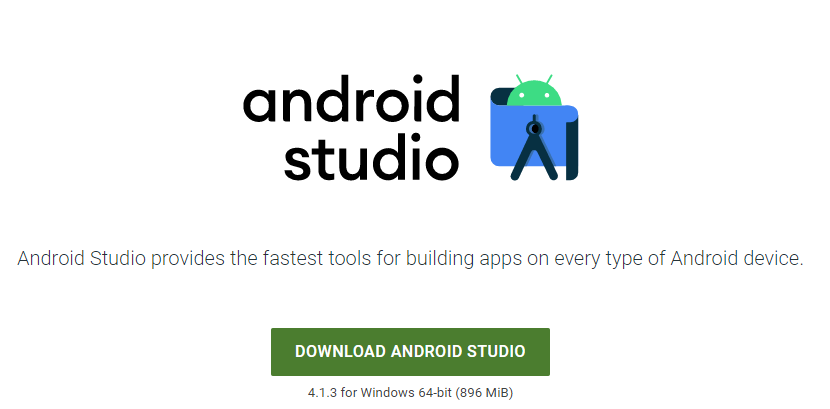
Week No **1**

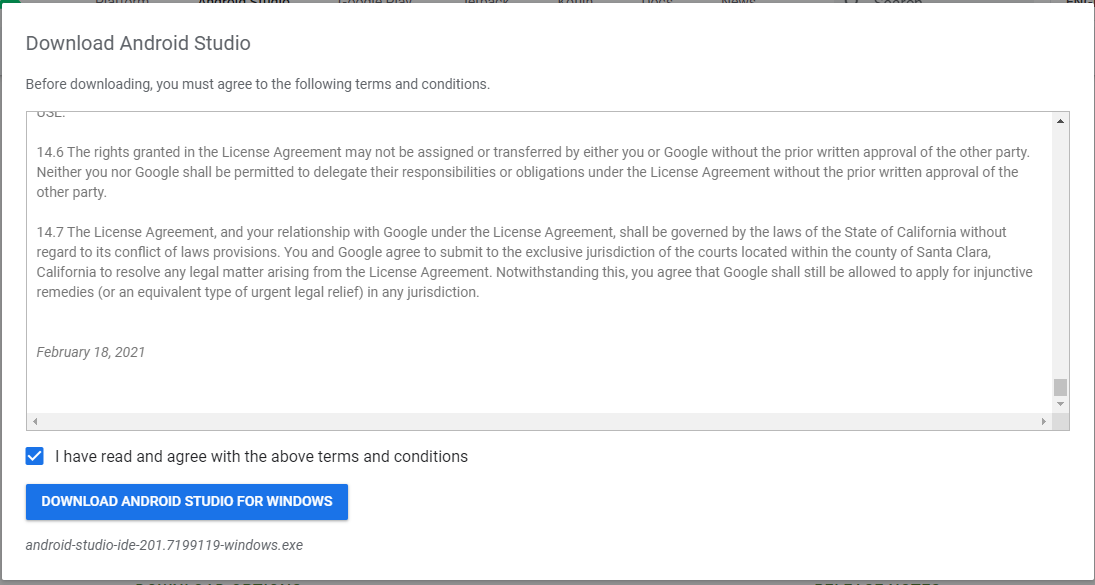
Lec 1 (February 23,2021)

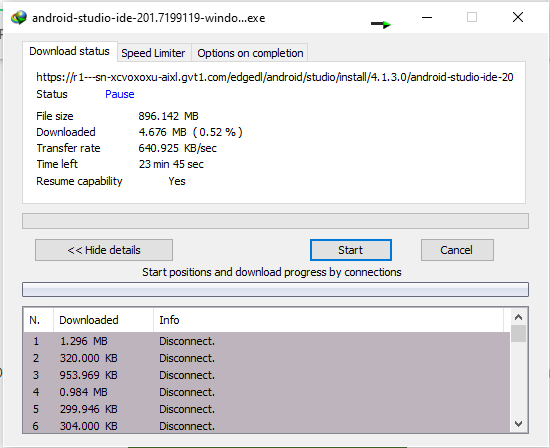
Download Android Studio:

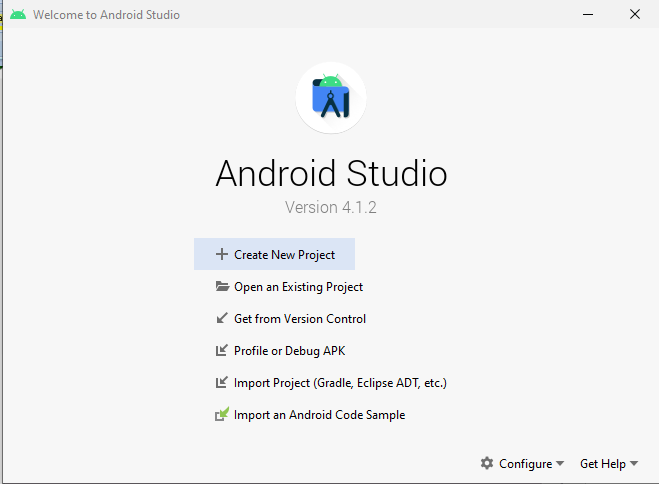
Step1: type **Android Studio**  on Google



Step 2: Click on **Download Android Studio**

Step 3 : Click on **DOWNLOAD ANDROID STUDIO  
**

Step 4 : Read all the terms and condition than click the check box and Click on **DOWNLOAD ANDRIOD STUDIO FOR WINDOWS  
**Step 5: Downloading will start wait until the downloading complete  
Step 6: After Downloading Install the **ANDRIOD STUDIO**

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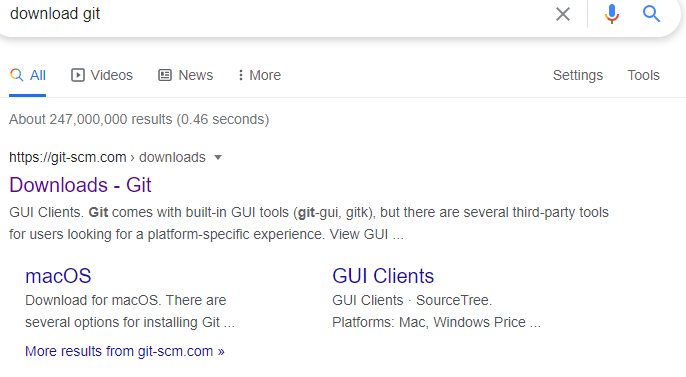
Lec 2 ( February 25,2021)

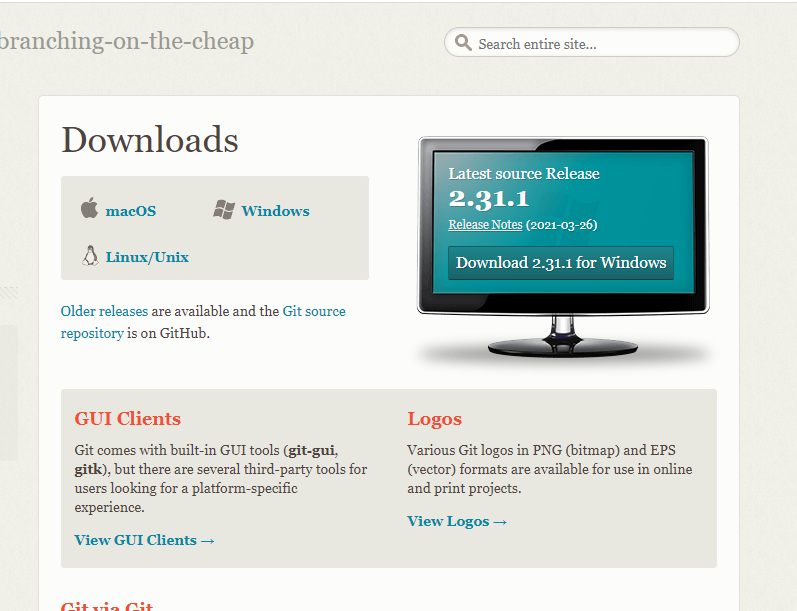
Create **Github** Account

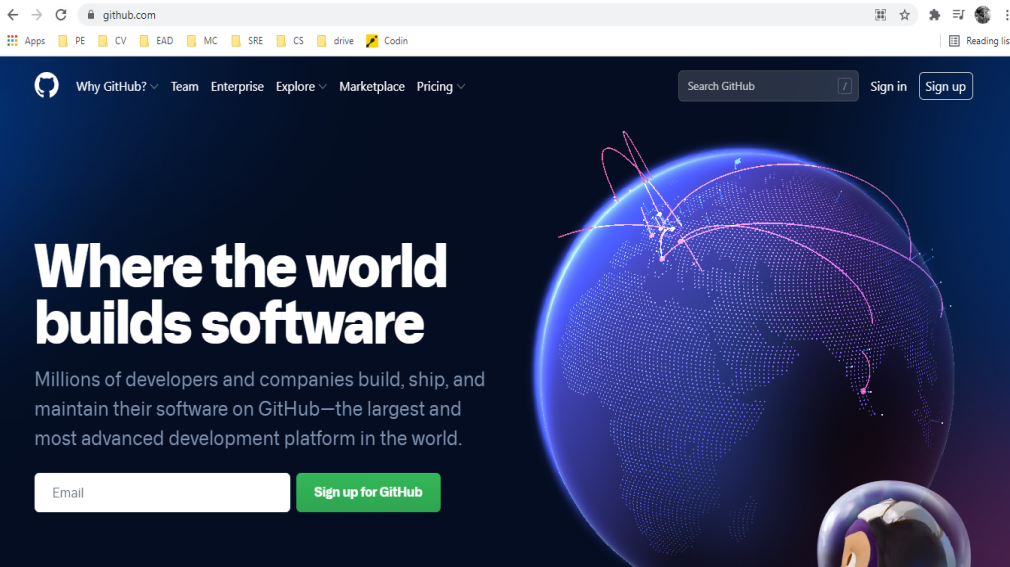
To create Github Account first you have to download the git

* Step 1: To create github account first you have to download git  
   1.1: Simply open your browser and type **Download git** or click it

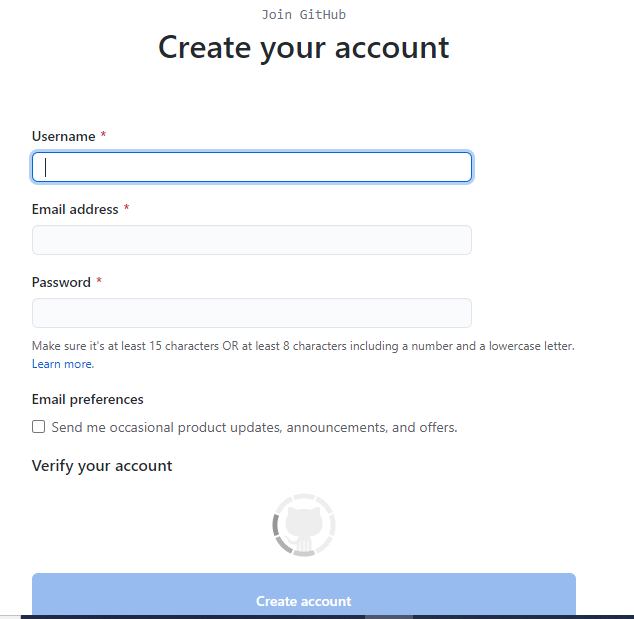
<https://git-scm.com/downloads>



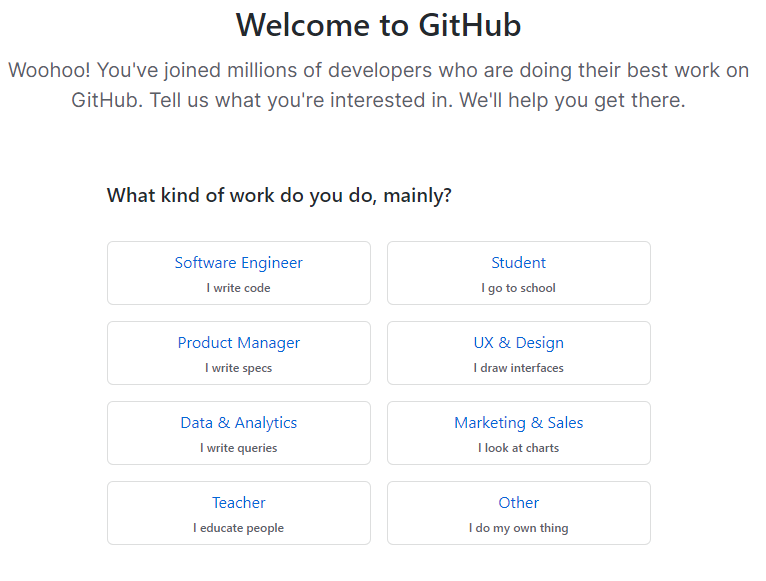
1.2: Click on **Downloads – Git**   
1.3: this type of screen will show and than click on **Download 2.3.1 for Windows**  
 1.4: Now wait until the downloading will complete  
 1.5: After Downloading install it  
Now your git is install  
-> Step 2: Now you have to create your github account  
 2.1: Open your browser and type **github.com** or simply click on this link <https://github.com/> The following screen will appear and than click on **Sign up for GitHub**



2.2: Simple fill the form and after filling click on **Create Account** option



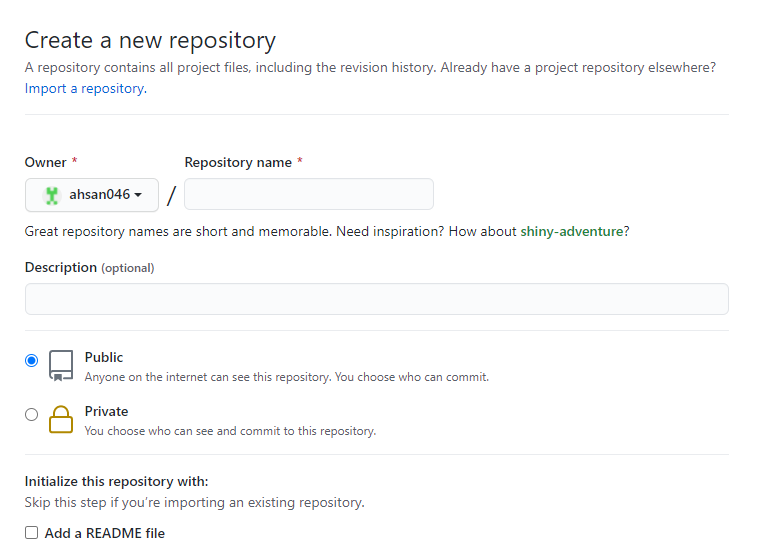
2.3: When your account is created successfully. The following screen will appear



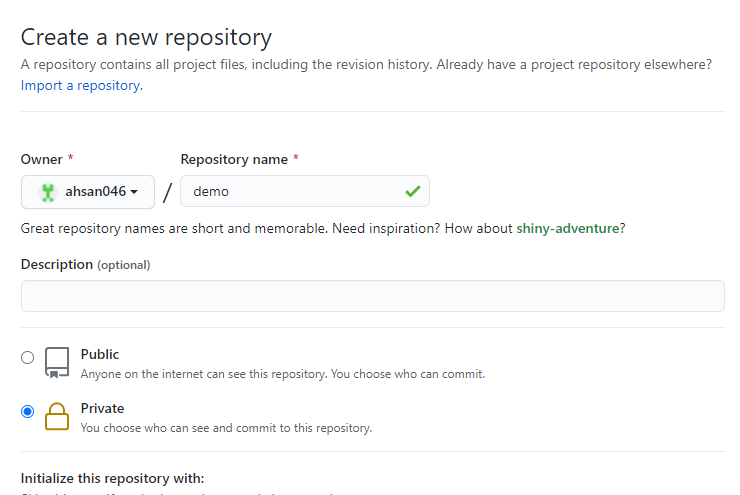
Now your Github Account has been successfully created

-> Step 3: Creating a new Repository (repo) on github website

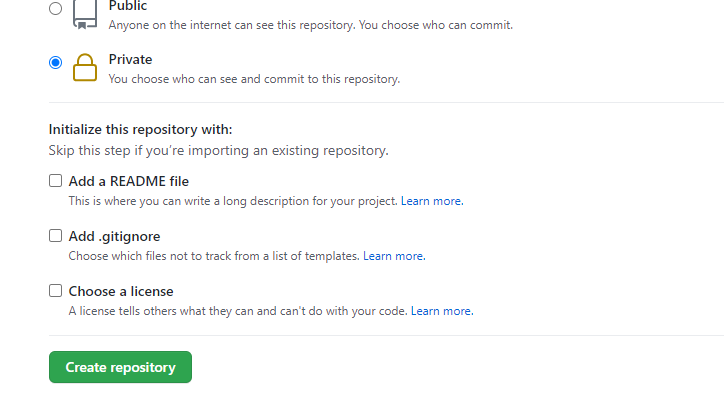
3.1 : Open your browser and type github.com/new or click this link <https://github.com/new>



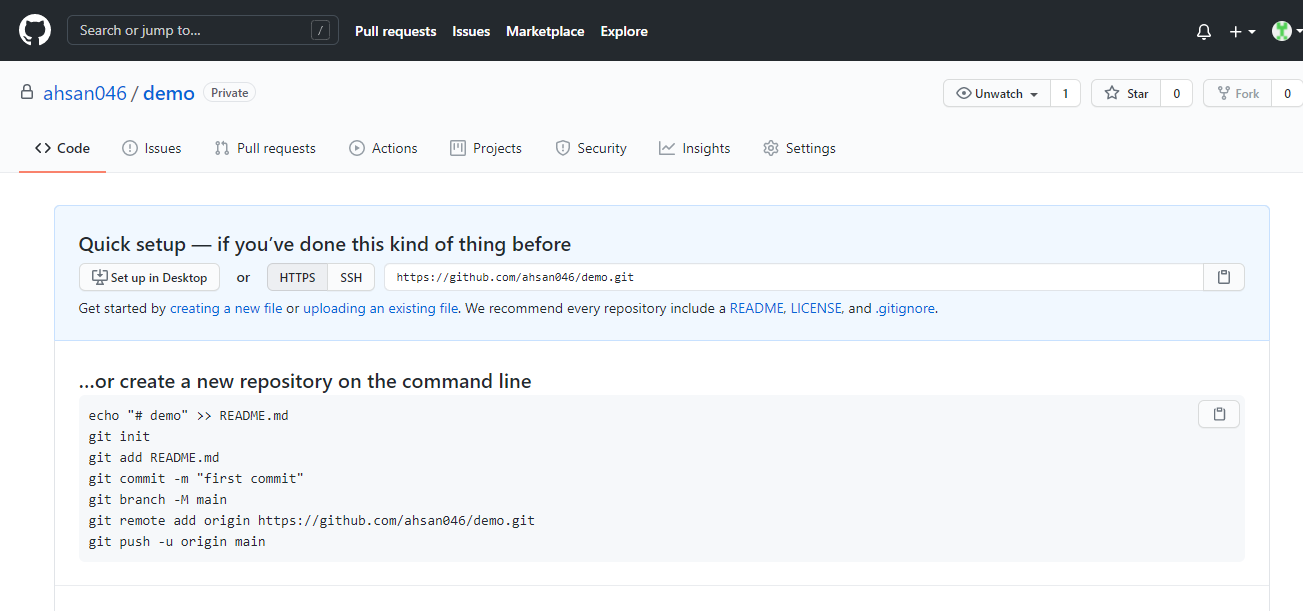
3.2: Enter your Repository name and make it public or private on your choice



3.3: Scroll down and click on **Create repository**

****

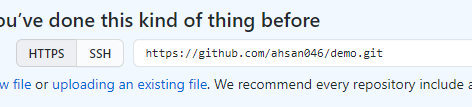
Now after repository creation the following screen will appear



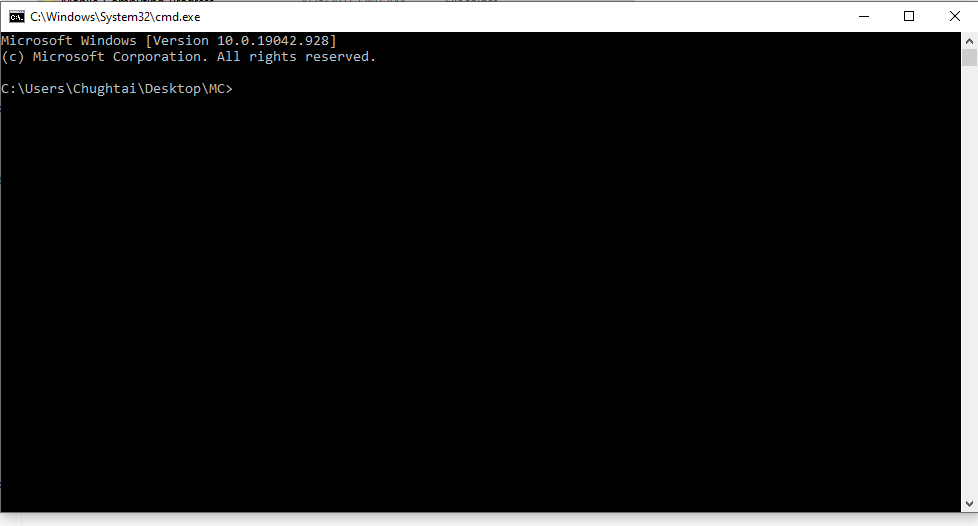
* Step 4: After creating a repository online. Let's try to clone it, so that it can be used on your PC.

4.1: Copy the repository URL or you can either copy **HTTPS** or **SSH**. I will copy

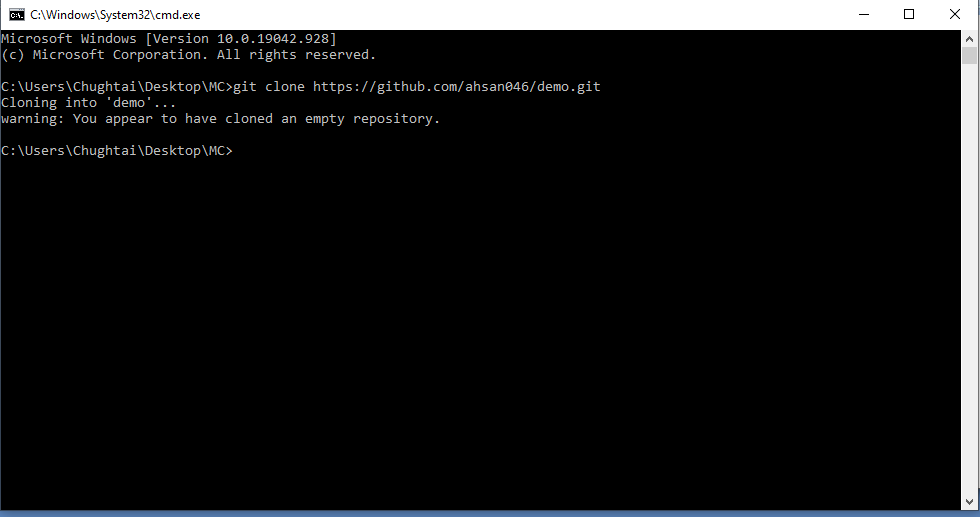
**HTTPS** URL.

****

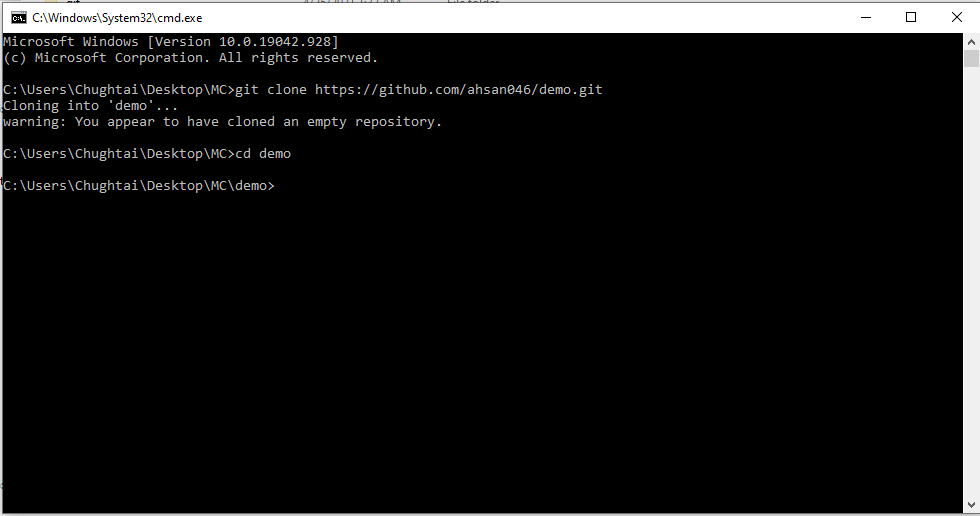
4.2: Go to your directory where you want to clone it and than open CMD

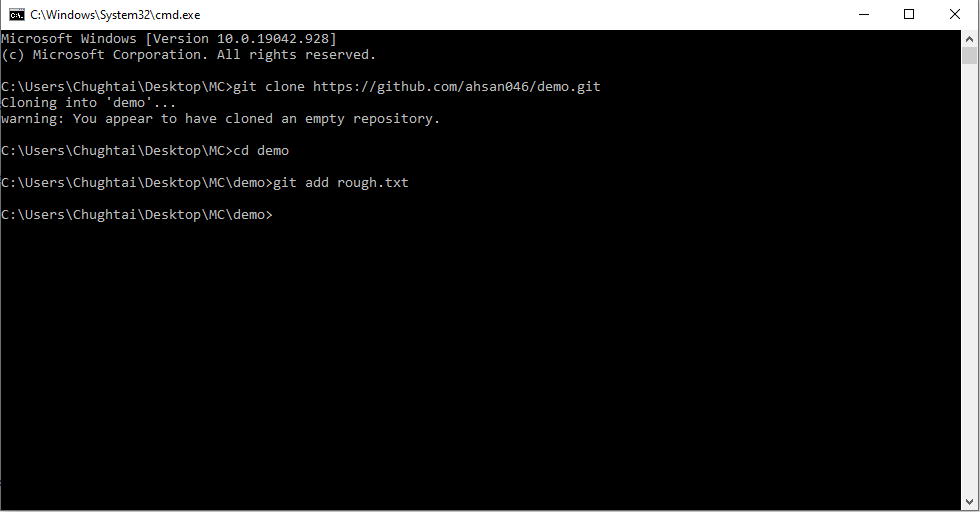


4.3: Now type **git clone** [**https://github.com/ahsan046/demo.git**](https://github.com/ahsan046/demo.git)

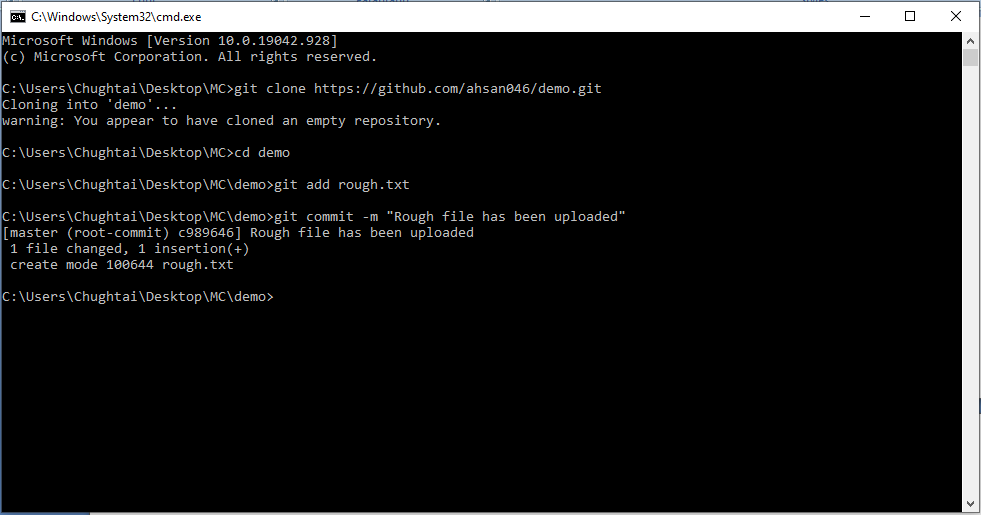


4.4: We have cloned the repository. Now add a new file and push it  
 First we have to go to that directory now type **cd directory\_name** or  
 you can go to that directory and again open the CMD

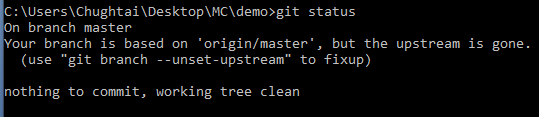


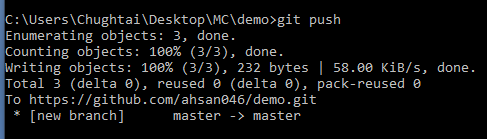
4.5: Create a new file which you want to push and something in it  
 Now use the **git add FileName** Command enter the file that you created   


4.6: After adding we use git commit command with some message  
 Syntax -> git commit –m “Message”



4.7: **git status** command is use to check the status of your repository



4.8:  Now we have committed the changes. But still these changes are not visible online. The reason is that we have to push the repo. So enter **git push** command. Now you can see changes on **Github repo** also.  


4.9: The **git pull** command is used to **fetch** and download content from a remote repository and immediately update the local repository to match that content.

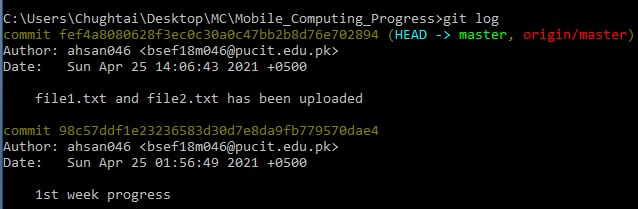


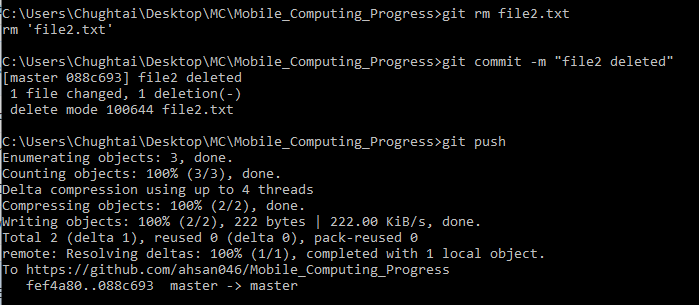
End of First Week

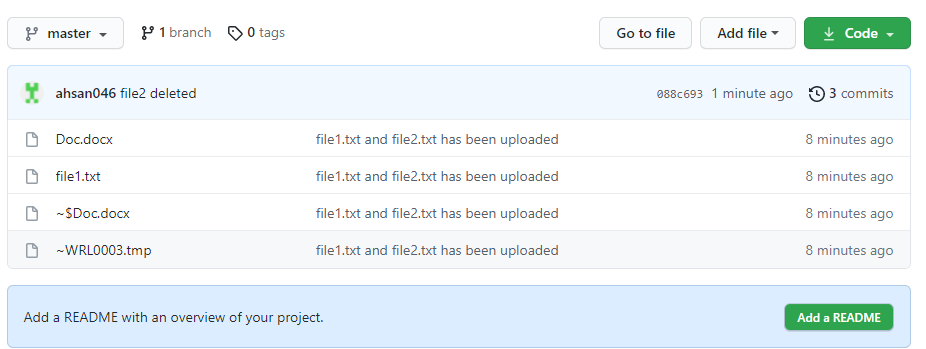
Week No **2**

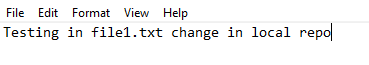
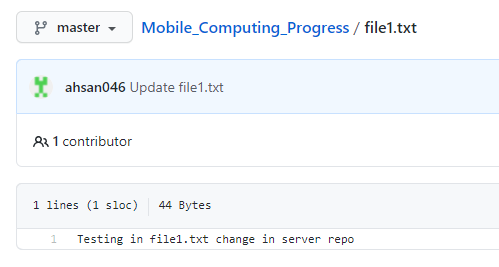
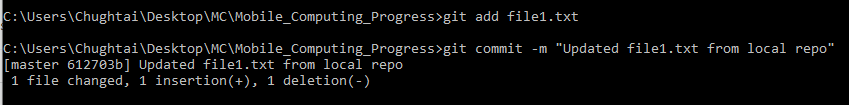
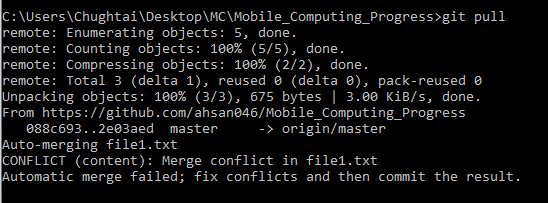
Lec 3 ( March 02,2021)

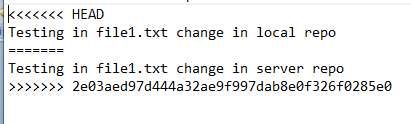
* **Git log** is a utility tool to review and read a history of everything that happens to a repository.

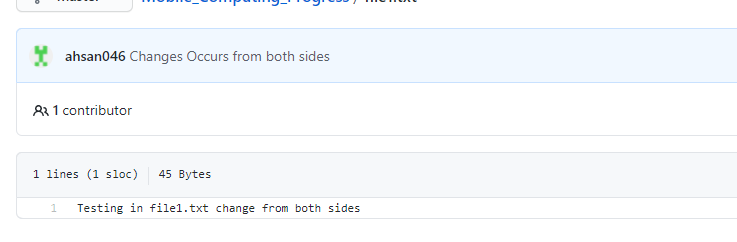


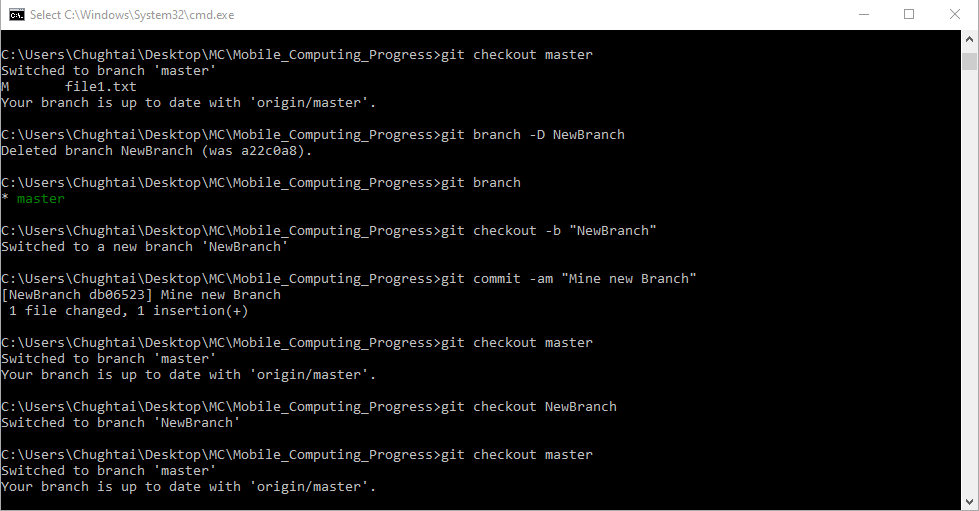
* git rm command is used to delete the file  
  

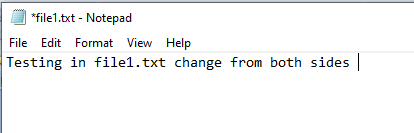


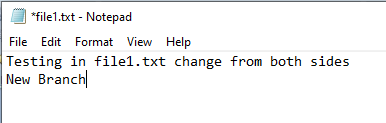
* Merge Conflict occurs when same thing change from 2 different place at one time  
  step 1: First we change at our local repo  
    
  Step 2: Than we change same thing in github repo  
    
  Step 3: Now we try to push our local file file1.txt  
    
  Step 4: Now first we pull file1.txt  
  



Step 5: Now the issue is resolve . We can push it now  


* **GIT BRANCH** command lets you create, list, rename, and delete branches. It doesn't let you switch between branches or put a forked history back together again. The **git** **checkout – b “name”** command is used to create new branch. **Git branch** show the list of branch.**git checkout name**  command is used to change the branch. **Git merge** is used to merge branches.**git branch –D name**  is used to delete the branch.  
  

Mine Master Branch File  
  
Mine NewBranch File

  
After merge the NewBranch in Master Branch

