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**Submitted to:**

Molana Haq nawaz

**Submitted by:**

Mohammad Areeb Farhan

**Roll no:** BSEF18A007

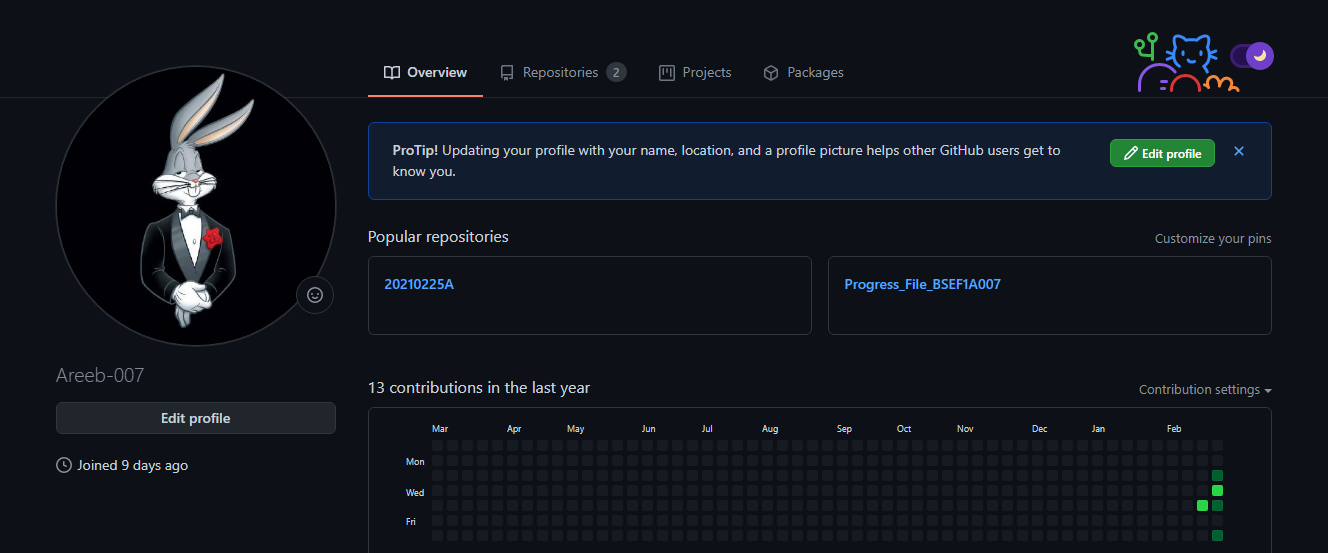
**Punjab University College of Information Technology,**

**PUCIT (Old Campus),**

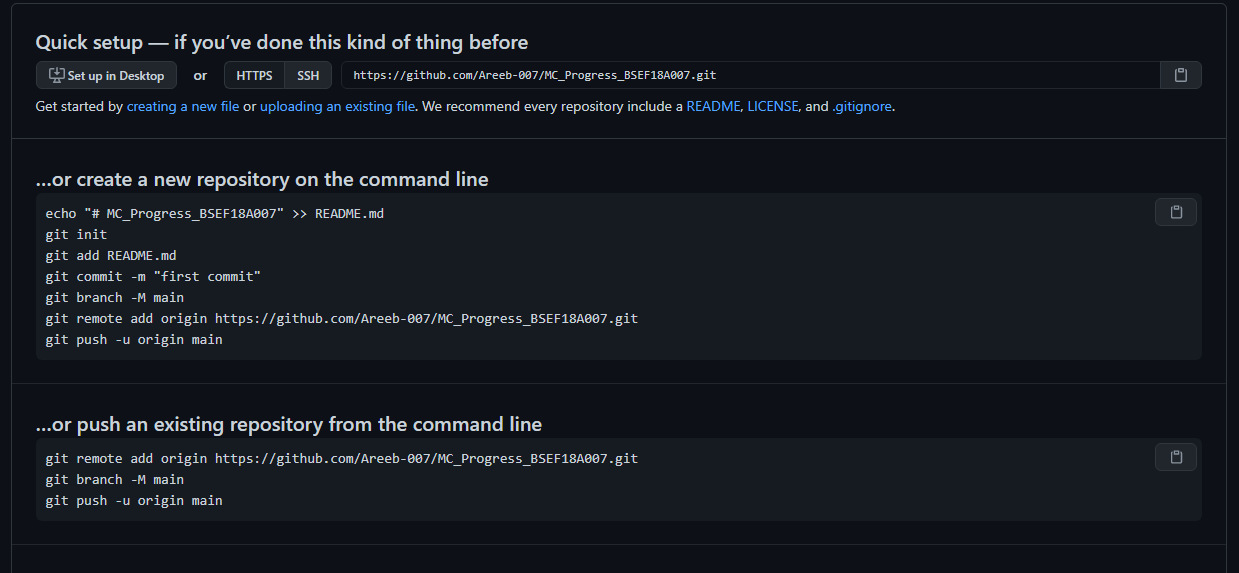
**LAHORE**

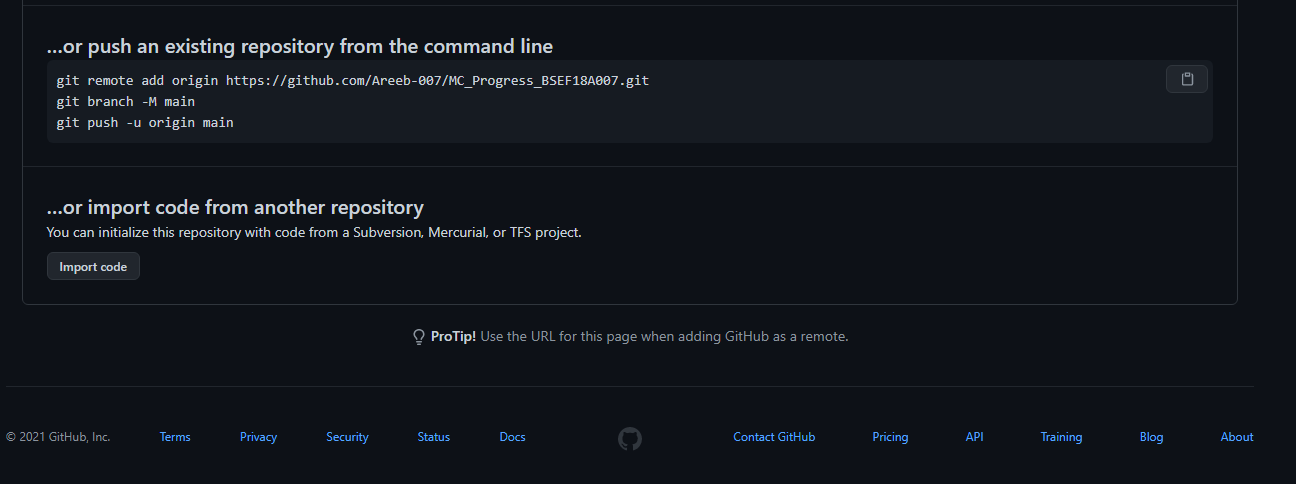
1. **Gig Account:**

I just created an account on git hub from their official website using my university email address. It is about nine days from now



1. **Git Repository**

Then I just created a new Repository by clicking on the “+” button near the profile. Then I named it as “MC\_Progress\_BSEF18A007”. 



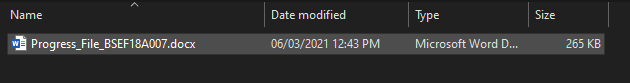
That repository provided me a link <https://github.com/Areeb-007/MC_Progress_BSEF18A007.git>.

1. **Git Clone**

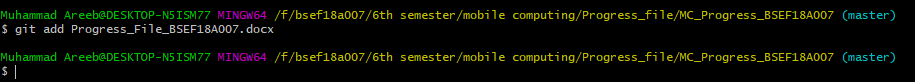
Then in order to convert my local repository into the central repository I am going to use “Git Clone ” command with addition of the previous link which was provided by the git repository.



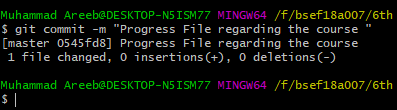
1. **Git Add**

Then I created an MS Word file named as “Progress\_File\_BSEF18A007”. 

The Purpose of this file is to upload the content we studied so far as per the task was concerned.

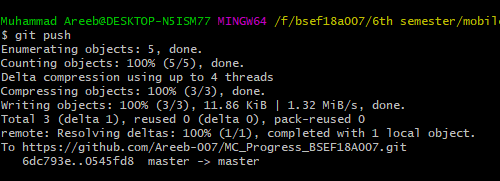
Then I ran “git add Progress\_File\_BSEF18A007.docx” command to upload this file to my local repository.  


1. **Git Commit**

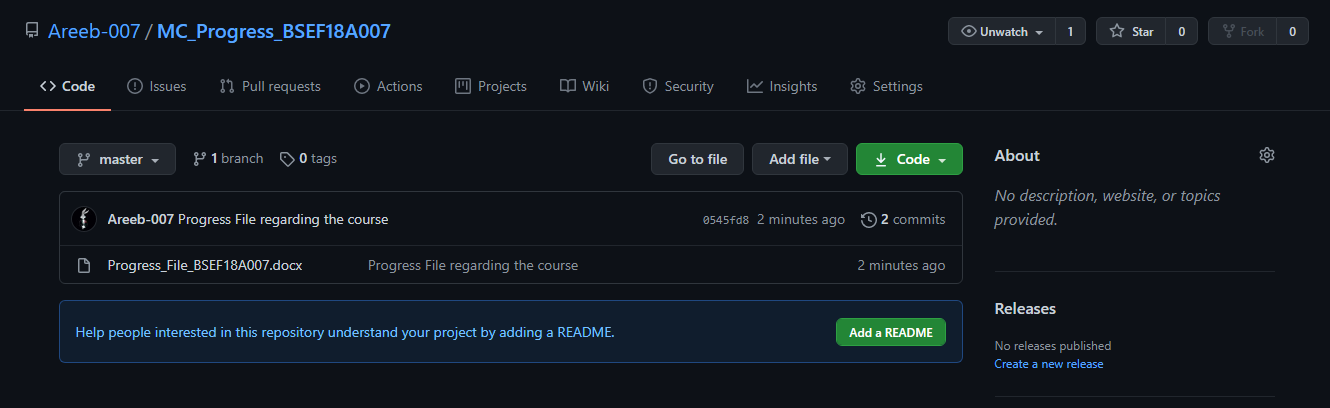
Then to upload the file with the message I used the “git commit -m “Progress File regarding the course” ”to upload that message. 

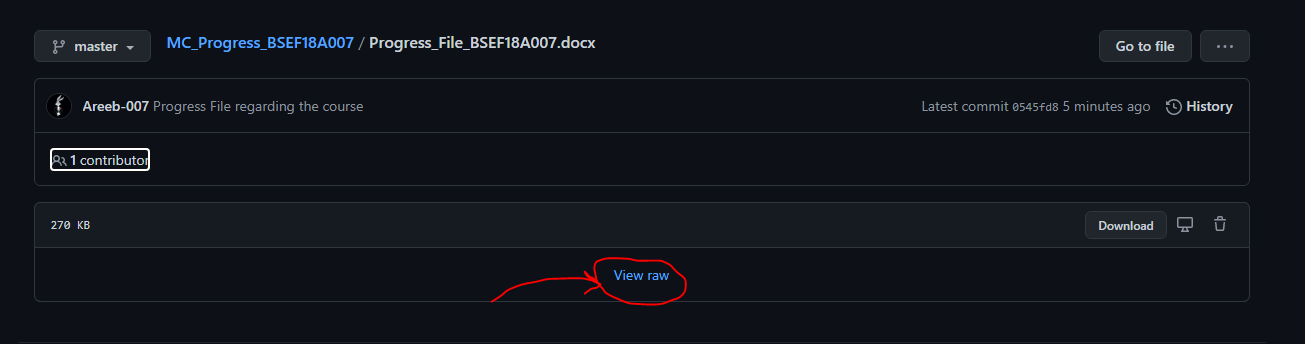
1. **Git Push**

Then to upload the file with that committed message I used “git push ” command



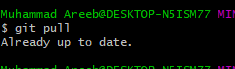
In next picture we can see that the content is uploaded on my central repository as well



And if we can click on the View Raw button we can download the button as well 

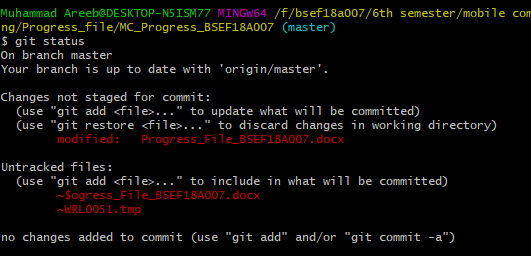
1. **Git pull**

In order to save something from your central repository to your local repository we can use “git pull” command.



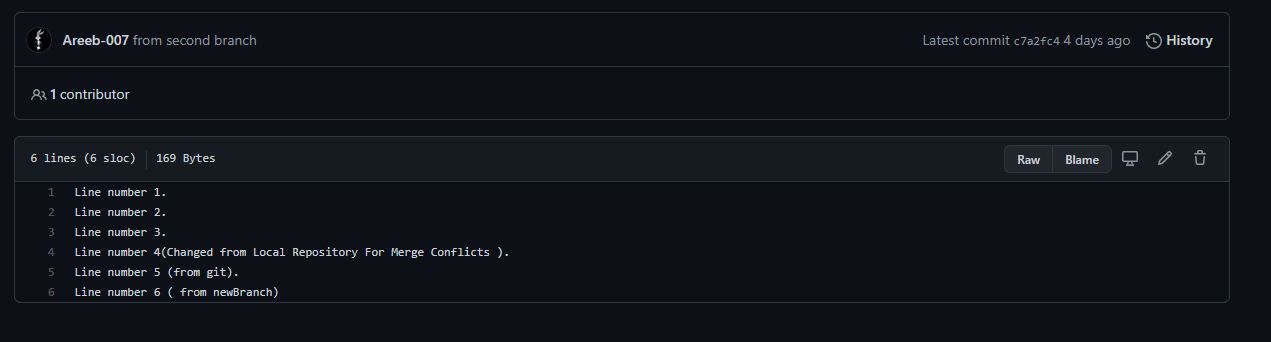
1. **Git Status**

In order to check your status of your repository one can use “git status” command



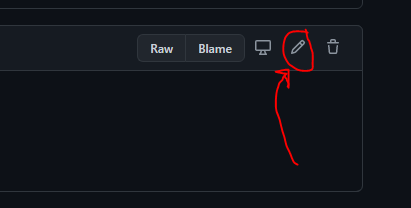
1. **View Content Online**

In order to view your file content online you can visit your git hub repository online on git hub webisite

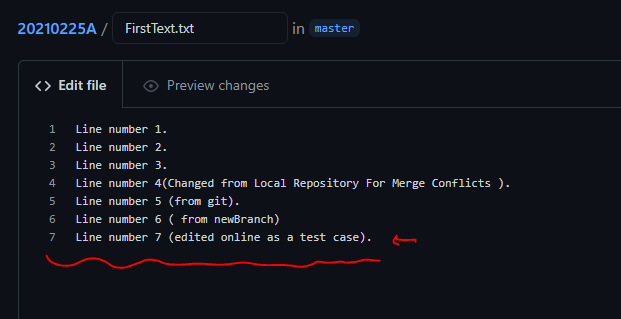


1. **Edit Online**

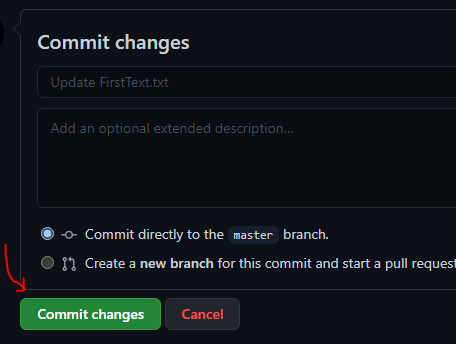
One can also edit it online from git hub website to update the content of your file.



By clicking on the button indicated we are able to edit the file online.

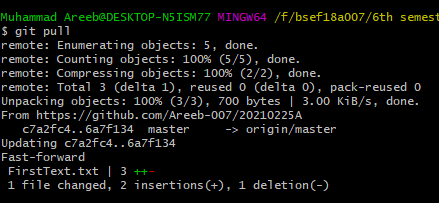


Now to save the content one just updated we click on the button below labeld as “Commit Changes”

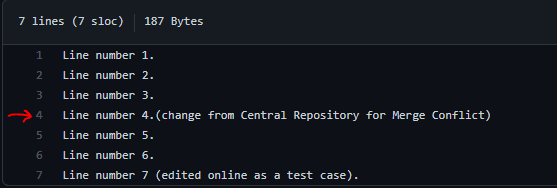


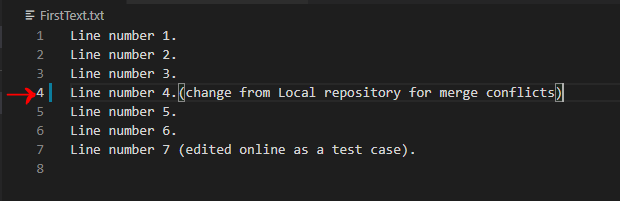
1. **Git pull**

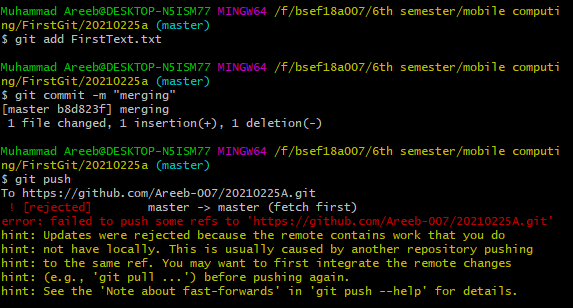
We just updated our central repository online from the website but our local repository is still as it was before update. In order to resolve that issue one can just use command “git pull”.

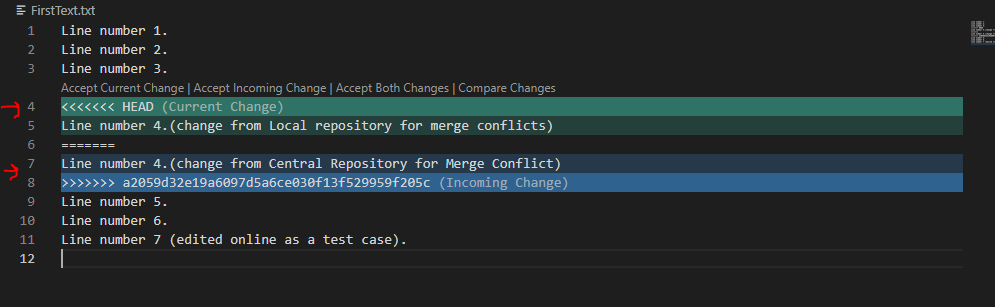


1. **Merge Conflicts**

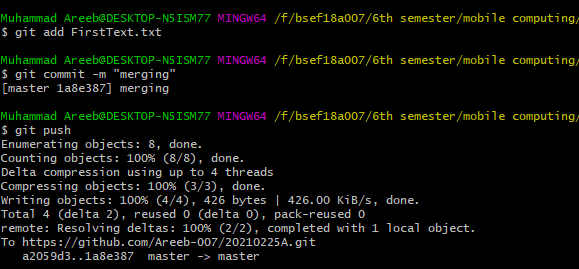
Merge Coflicts occur when we try to change same line from local and central repository at the same time Above are some changes from central repository.



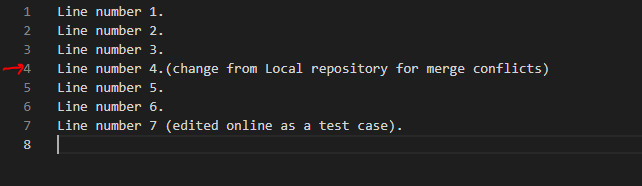
Above are some changes from local repository. Now when ever you try to add or push the file it will produce an error. 

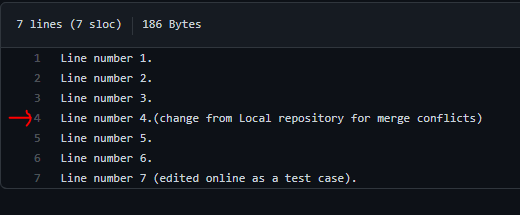
To solve this issue we have to choose one change either from local repository or central repository. Now when you run the command git pull we can see some following things. 

So we have to select one change from those. When we select one of those and then retry to add ,commit and push we get this.

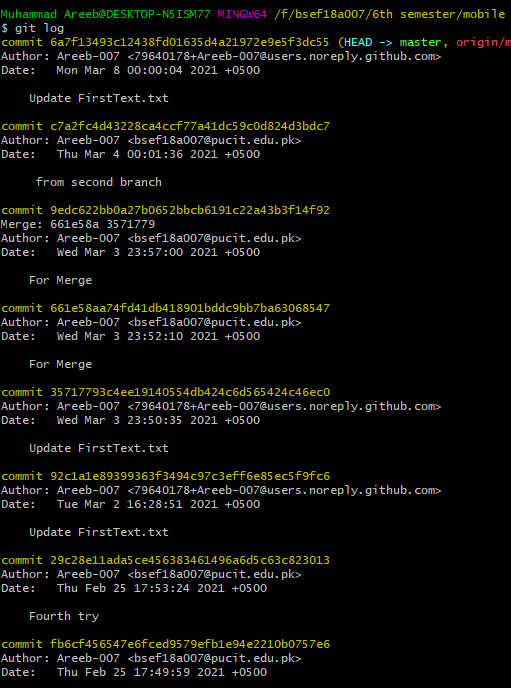


From Local Repository:



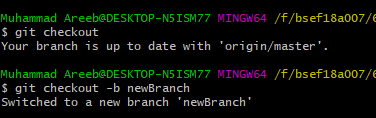
From Central Repository:  


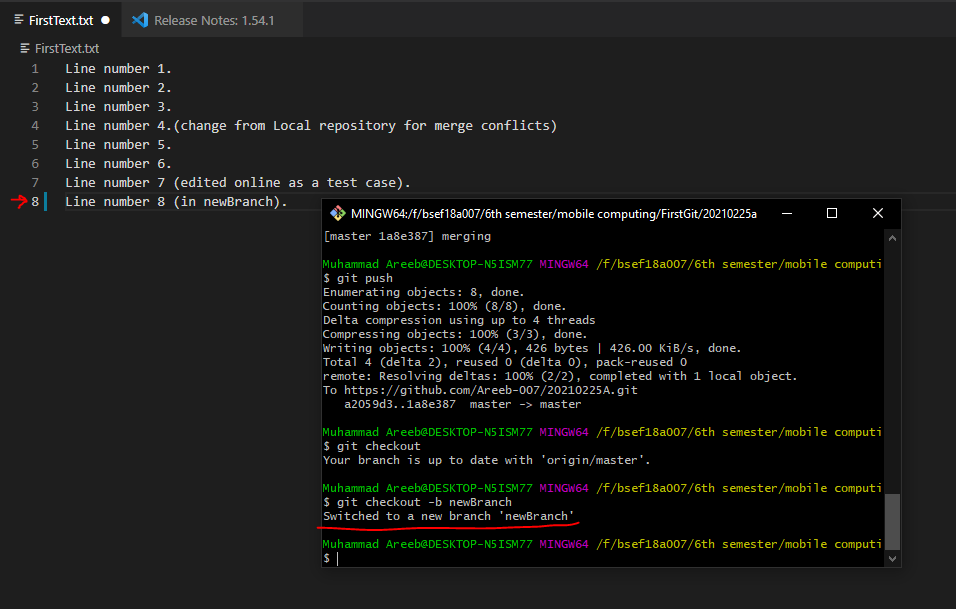
1. **Git Log**

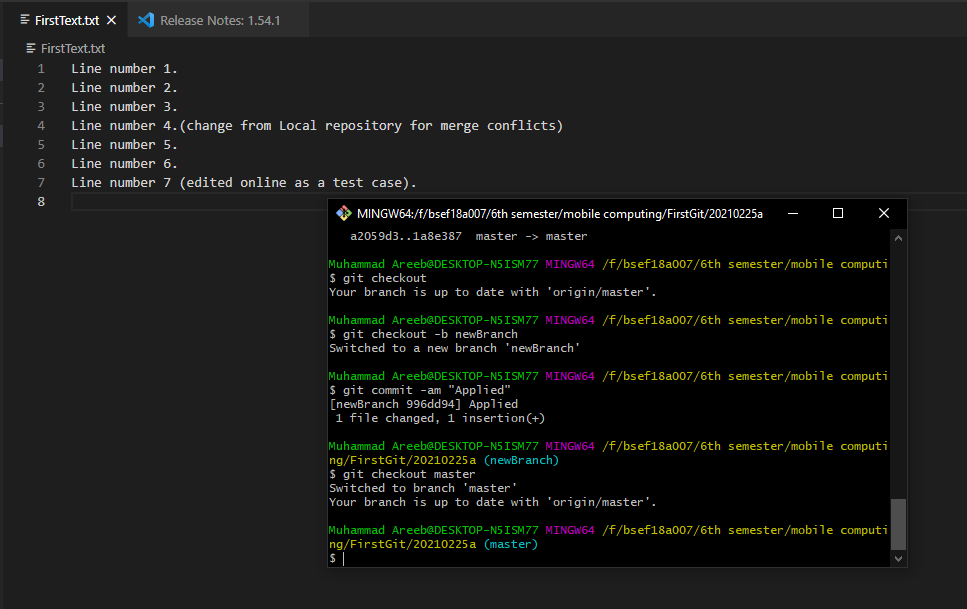
In order to see the commit details we can use “git log” command. 

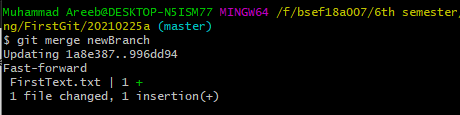
1. **Branching**

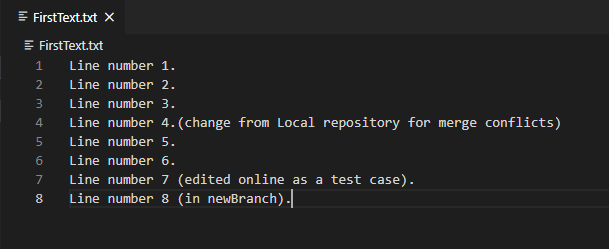
Branching is a very helpful and important feature. It is used to perform working in a parallel mode.

* **To Create a new Branch**
* Now if we edit the file it will be edited in this branch but whenever we shift to the other branch there will be nothing changed, which will be seen in the following pictures:



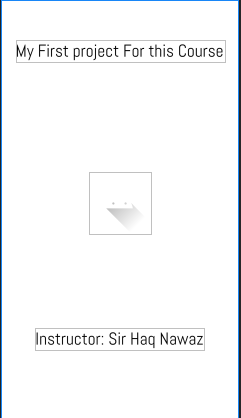


Now in order to merge those branches we can use “git merge branchname” command

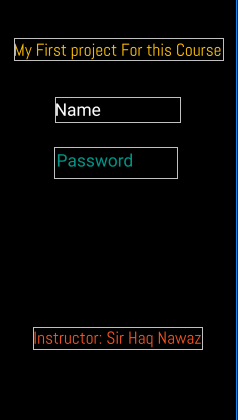
Content in the file are as follows now  


**Android Project**

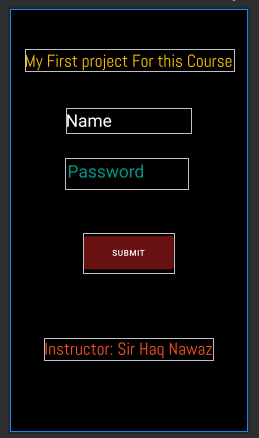
1. **First Attempt**



1. **Second Attempt**



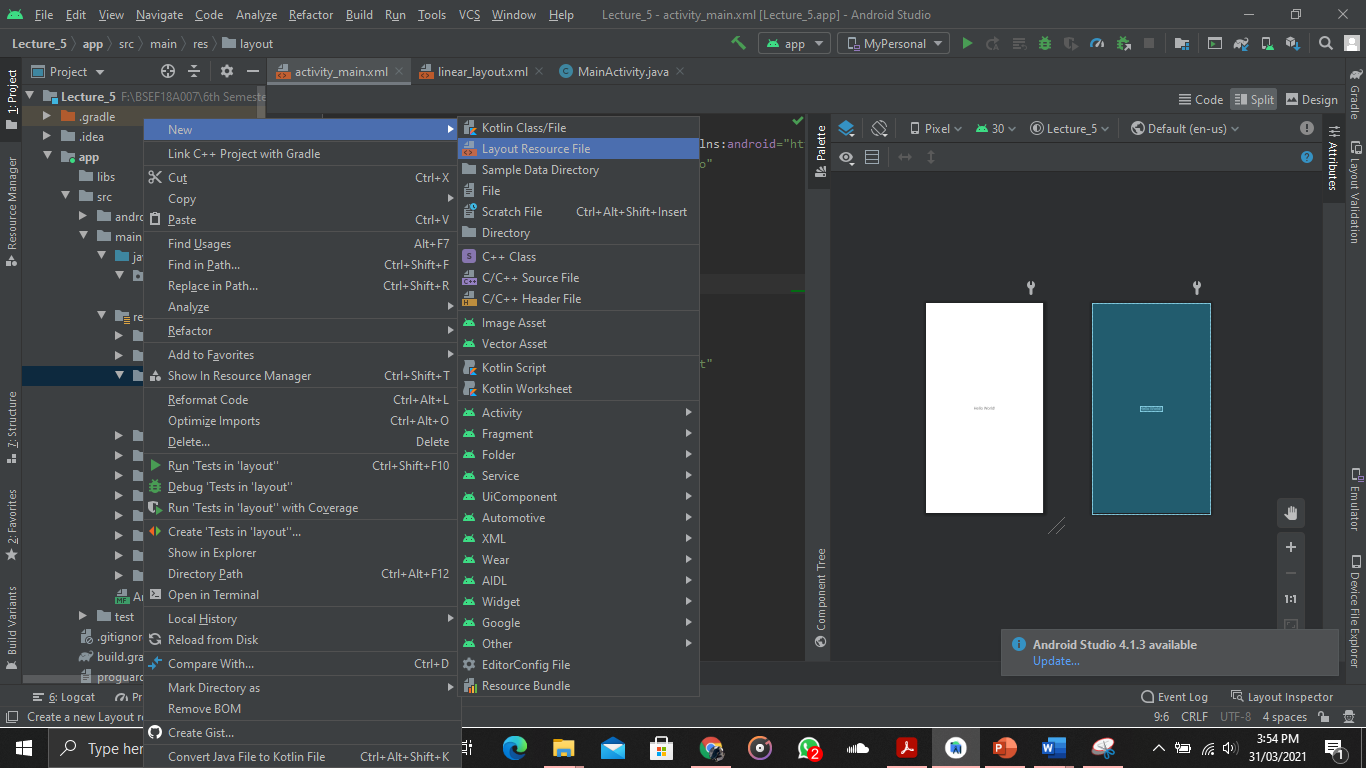
1. **Third Attempt**

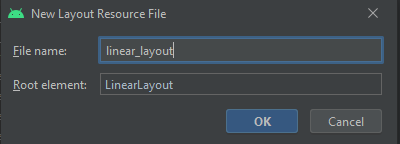


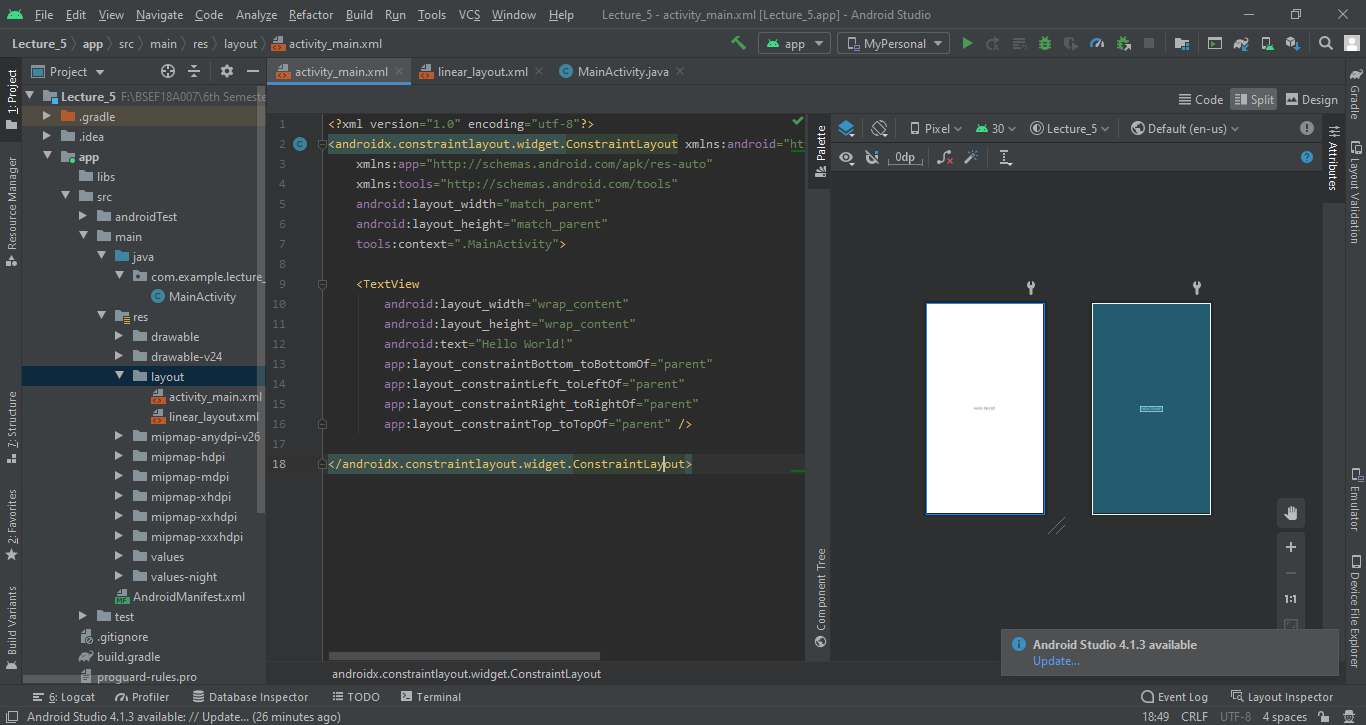
**Views and Layouts**

There are multiple views and view groups for example the button view, text view, list view etc. All these views are grouped in the Layout. There are multiple layouts available in the android Like Linear layout, relative layout, grid layout etc. But every layout must need to be the part of a root layout. All other things are the child of the root layout. So here is an example of how to do it.

At First I added another layout as “linear\_layout” (naming conventions must be followed)



That is how we are going to add a new layout in our project. 

And then we can see that the layout is there 

As you can see I am using split mode it is very helpful in setting costraints layouts and items with in it.