Getting Started

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Required folder structure.

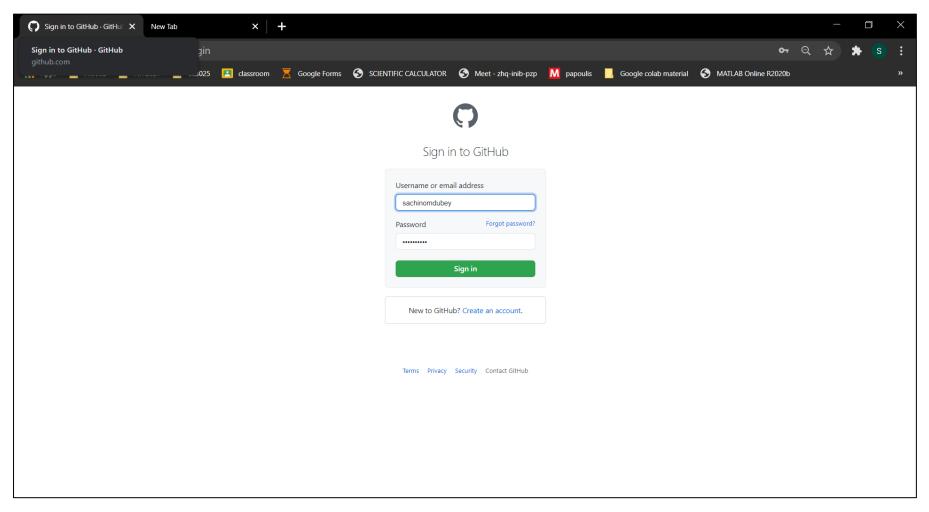
The folder structure for each of the assignments should be as below:

Name	Date modified	Туре	Size
Codes Codes	02-09-2020 20:38	File folder	
Figures	12-03-2021 12:03	File folder	
占 Assignment1	02-09-2020 13:00	Adobe Acrobat D	55 KB
🗟 Assignment1	02-09-2020 13:01	TeX Document	6 KB

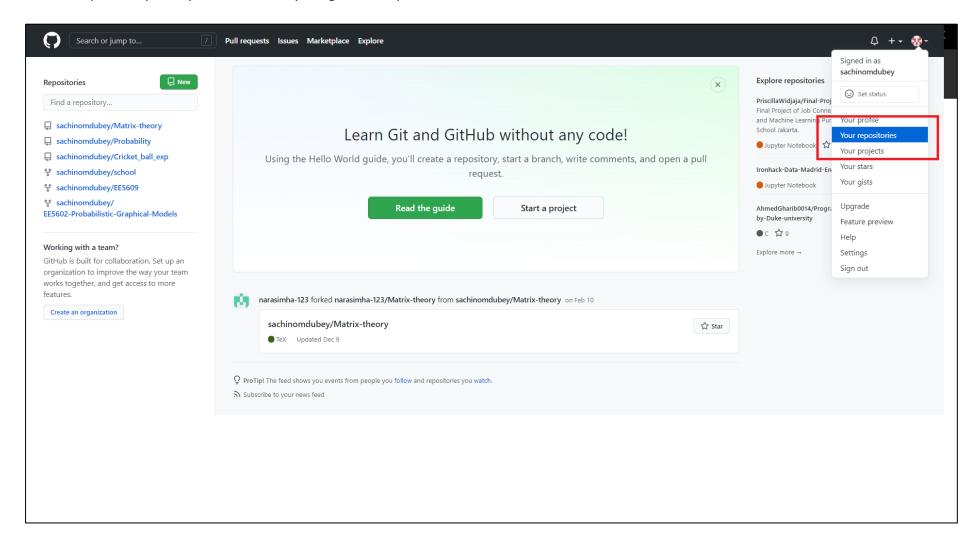
Getting started with GitHub.

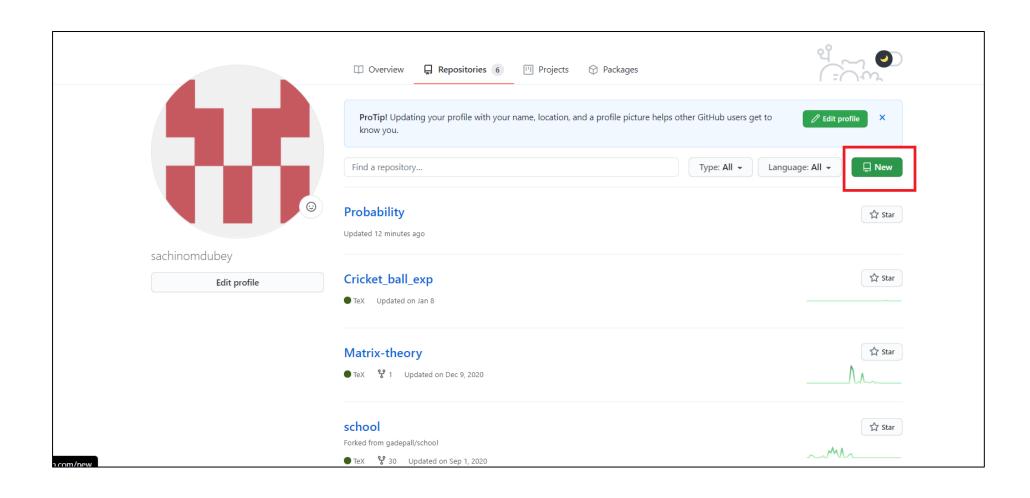
Signing in and creating repository

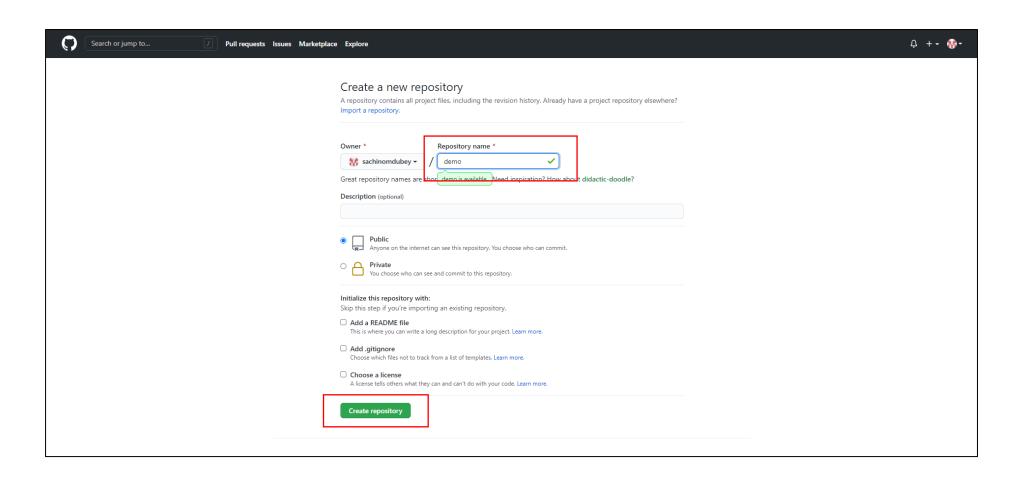
1. After signing up in GitHub (with any Gmail account). Sign into your GitHub account.



2. Create a separate repository for this course by using below steps:

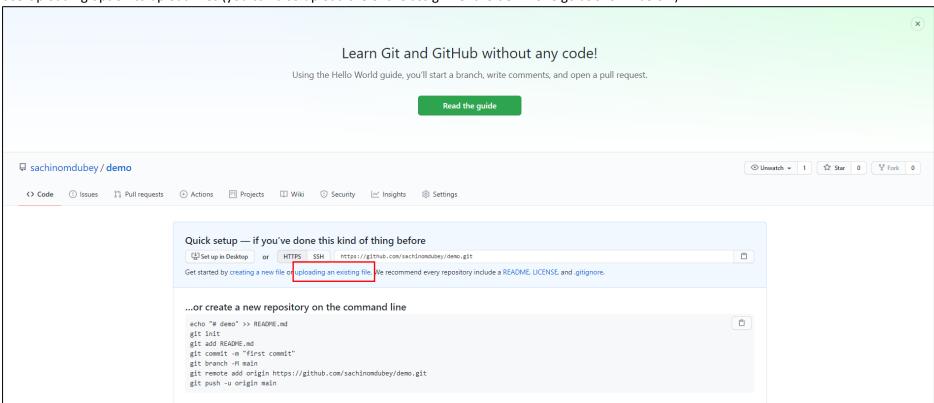




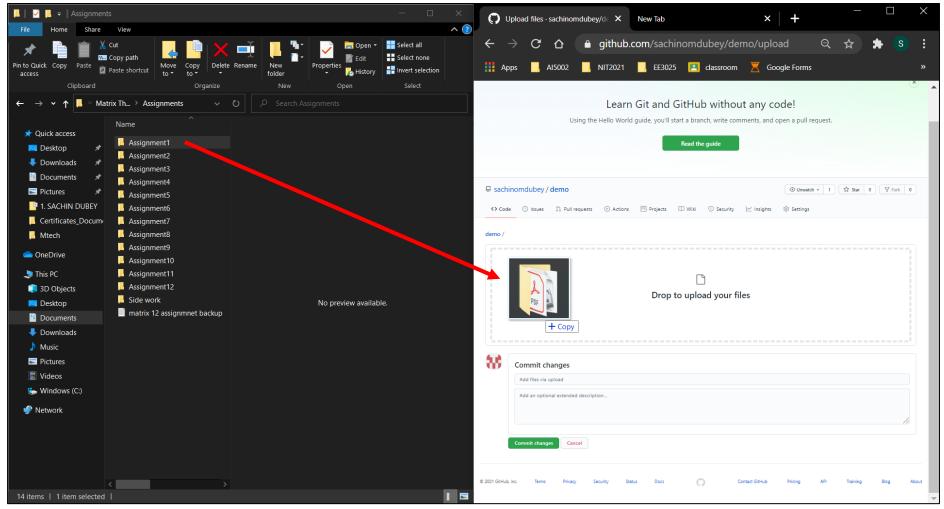


Uploading an Assignment

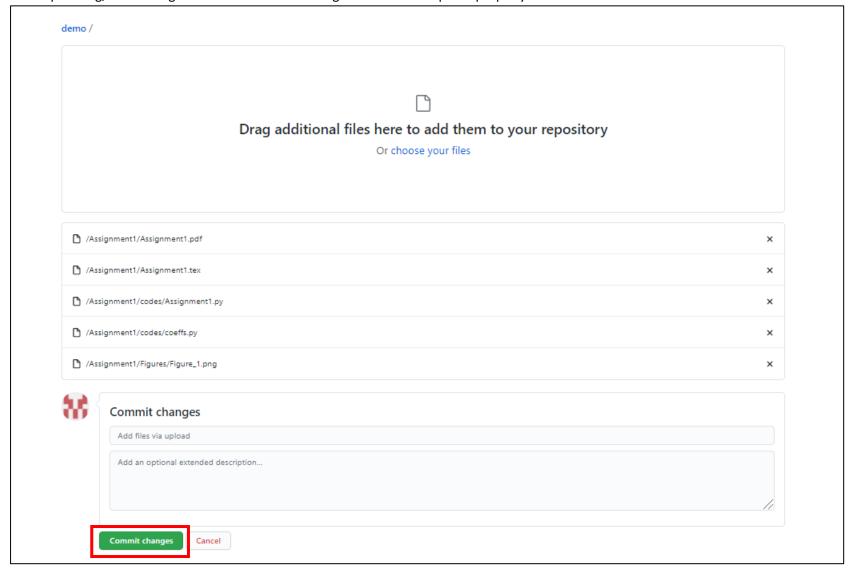
1. Use Uploading option to upload files (you can also upload the entire assignment folder in one go as shown below)



2. Drag and drop the entire assignment folder from file explorer to the GitHub drag and drop window. (Make your assignment folder beforehand in your pc using the folder structure shown in section 1)

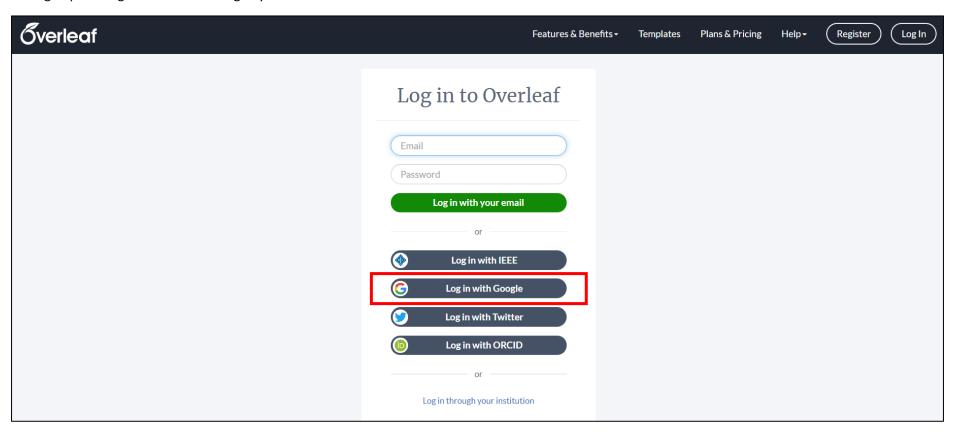


3. After uploading, do not forget to click on commit changes to finish the upload properly.

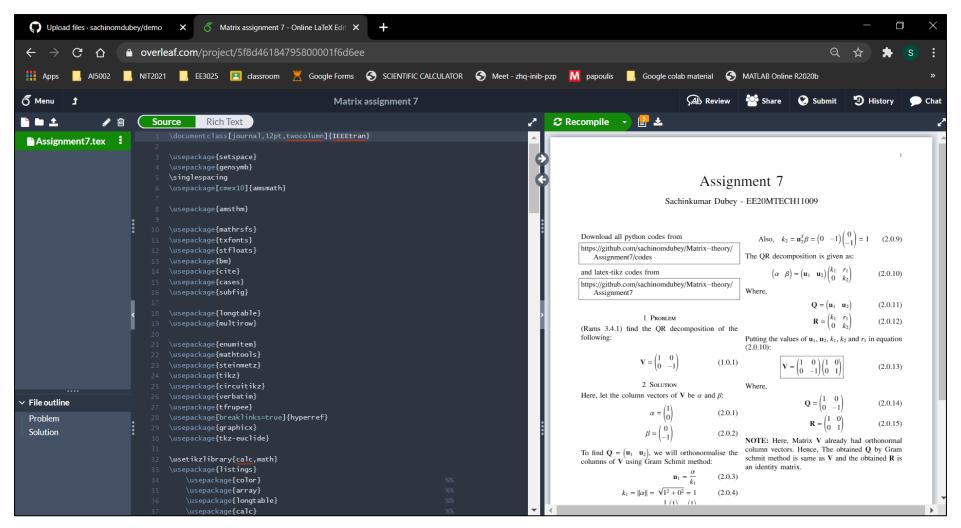


Getting started with Latex:

- 1. Overleaf is one of the good online latex editors you can use. There are other editors too, you can use as per your convenience.
- 2. Sign up and login to Overleaf using any Gmail account.



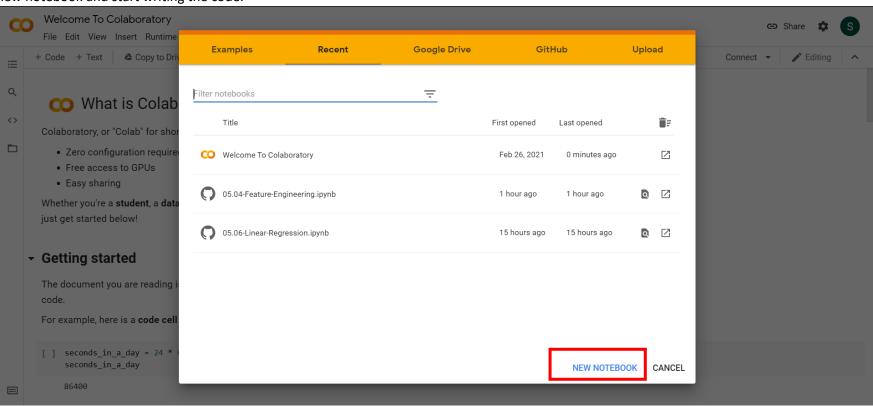
In Overleaf, Ctrl+S instantly compiles your .tex source code to .pdf file for preview. Hence, it is easier to work with.



3. You can use this .tex file as a template for your assignments (Need not write the .tex source code from scratch) https://github.com/sachinomdubey/Matrix-theory/blob/master/Assignment7/Assignment7.tex

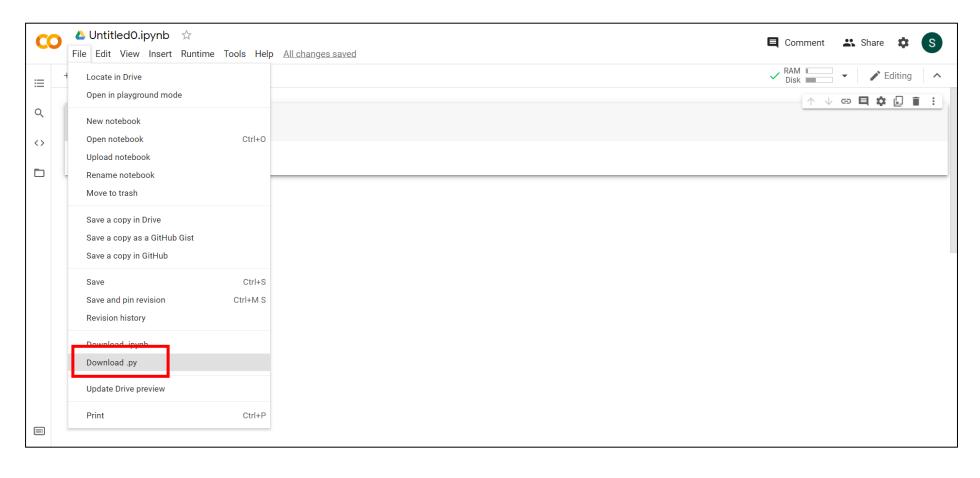
Getting started with Python:

- 1. You can use any **python IDE** for creating your python programs. At the end, you need to upload only the **.py** file in the **"codes"** folder of your respective assignment.
- 2. I would recommend google colab as it does not require any installation. Just go to google colab, login using your IITH Id (or any Gmail id), create a new notebook and start writing the code.



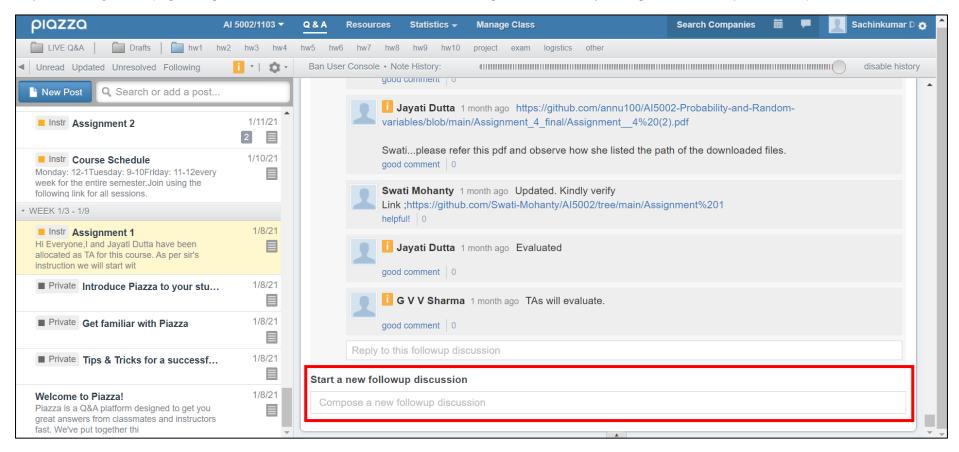


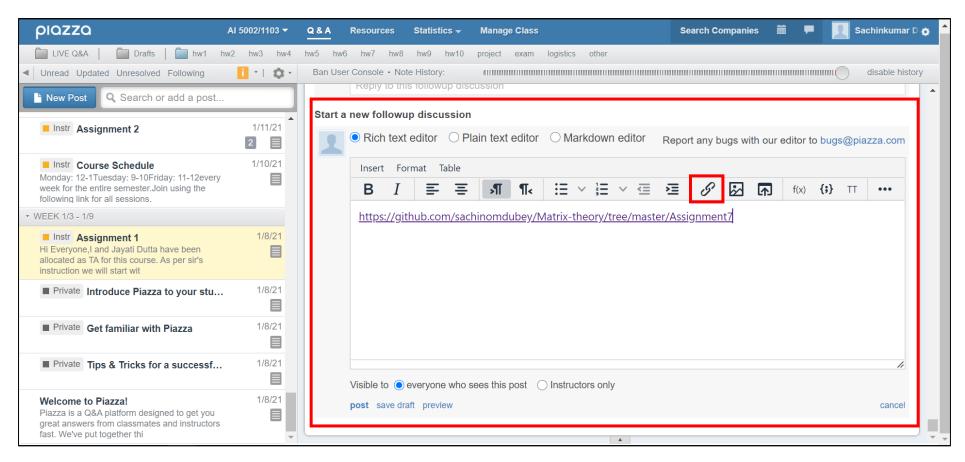
3. When you are finish writing and executing your code, you can download the .py file from the file menu and upload it on GitHub.



Sharing Assignments on Piazza

After Uploading the assignment on GitHub (as per the mentioned folder structure in section1). You need to share the GitHub link in the thread for that respective assignment (E.g., Assignment-1 GitHub link needs to be share in Assignment1 thread by adding a new follow up discussion)





DONE!!