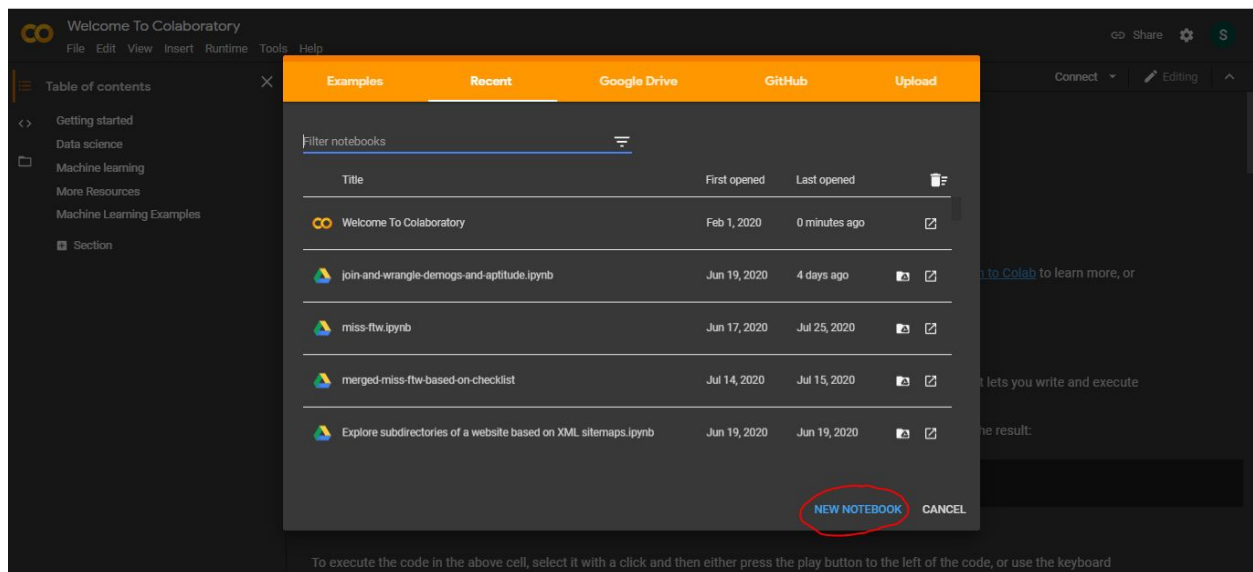Intro to Colab

1. If you do not have a github account yet, Sign Up [here](#)
2. If you have a github account already but do not have git on your computer yet, follow this tutorial for setting up [Git on Windows](#)
3. To use Google Colab, sign in to your (ftw) gmail account
4. Go to https://colab.research.google.com/

3.Rename your Jupyter notebook following this filename convention:
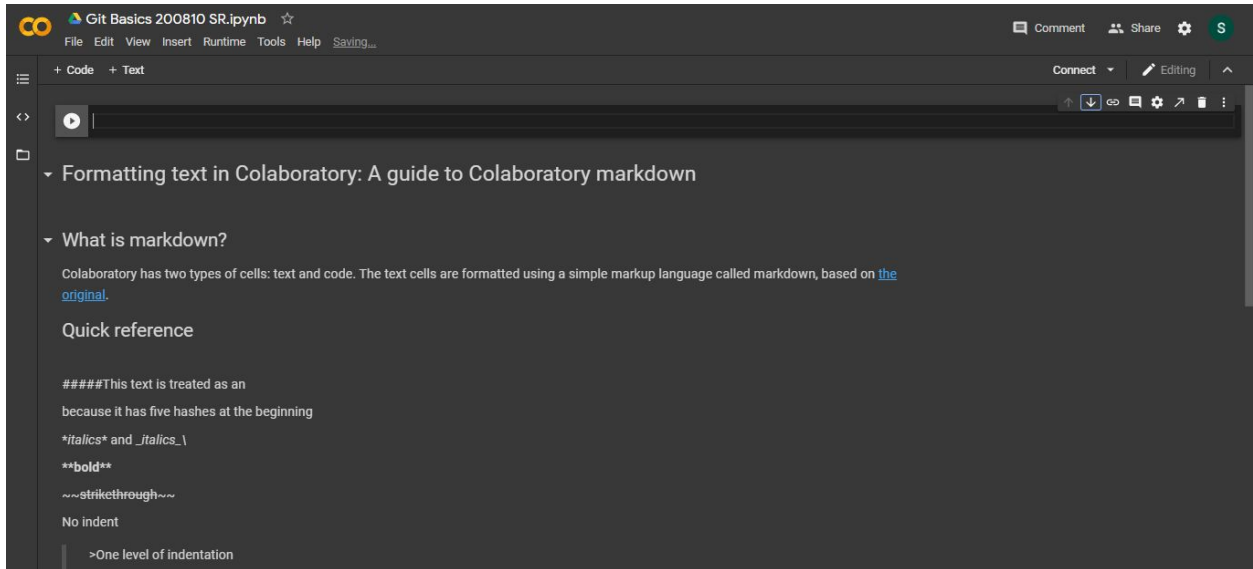
Title YYMMDD Author Initials
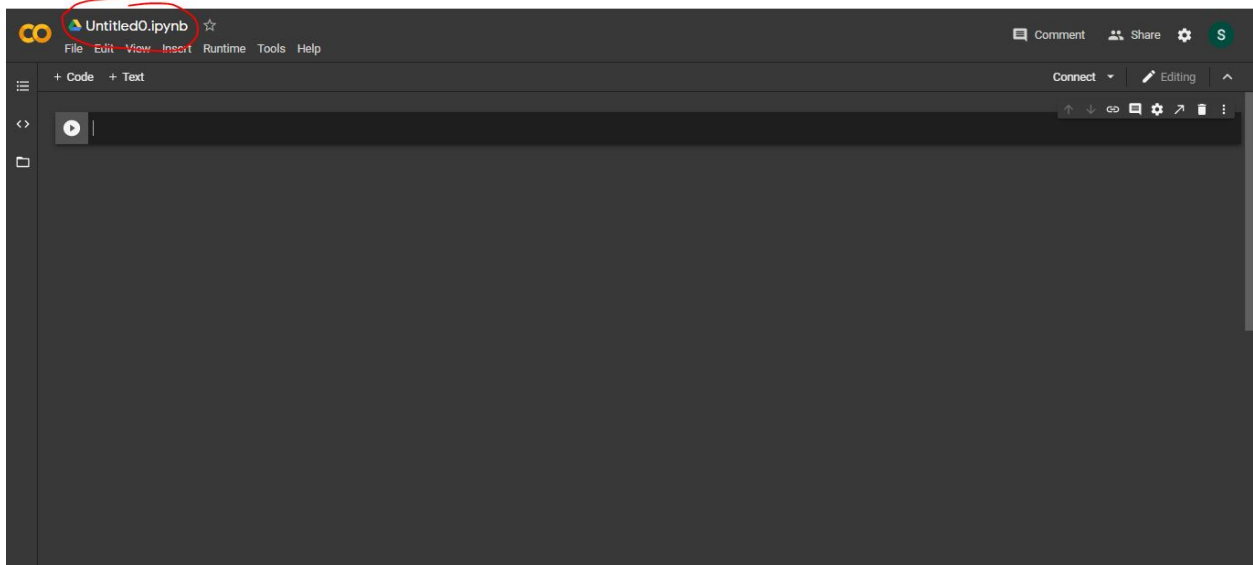
4.Hover over a cell to add a Code or Text
   a. a Code cell can be executed
   b. The text cells are formatted using a simple markup language called markdown, markdown guide can be found [here](#)
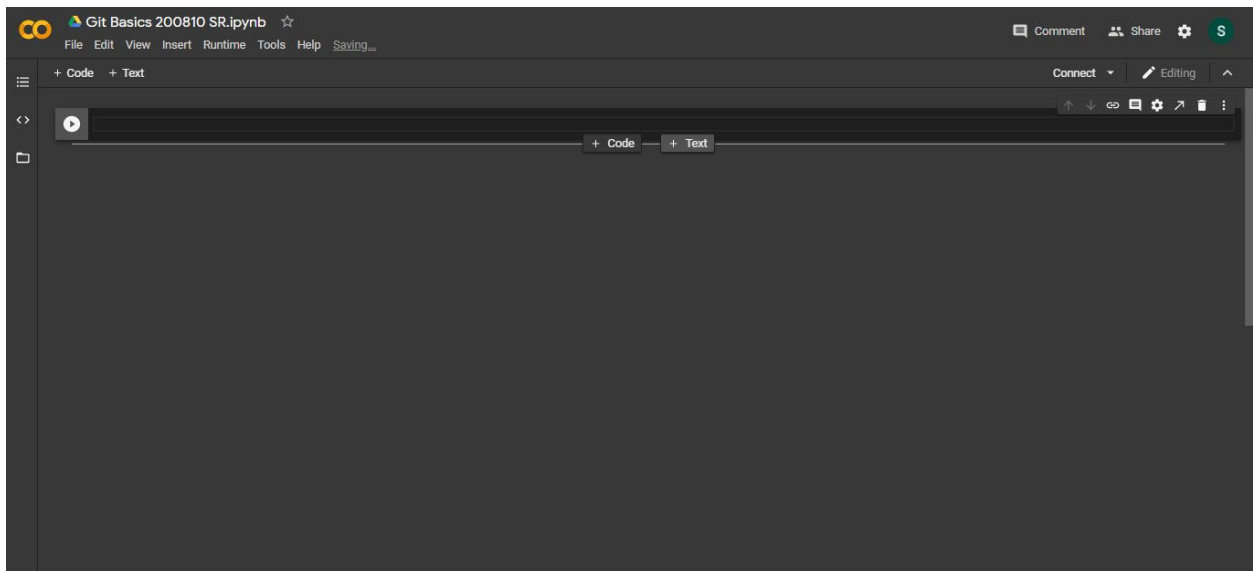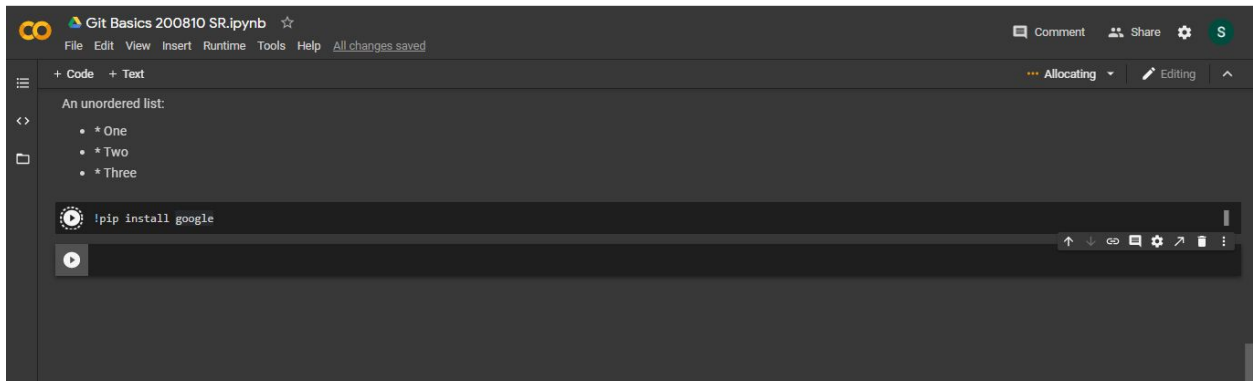

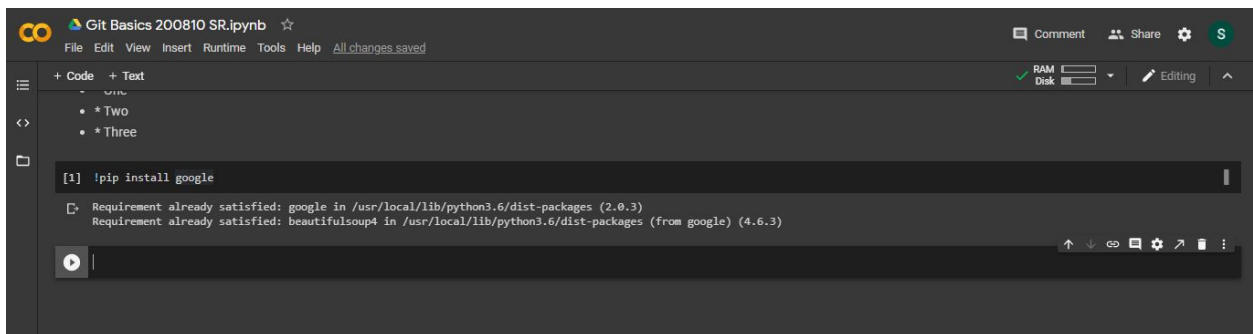Link to sample Colab notebook [here](#)

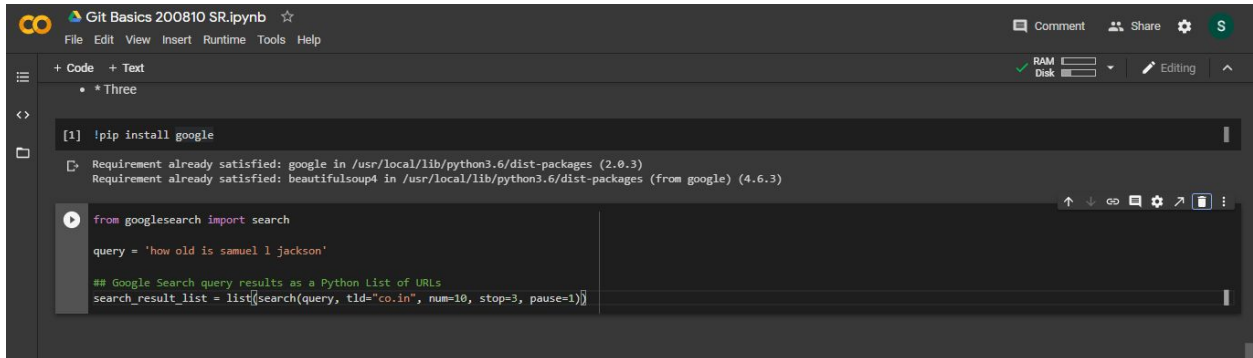5. Move cells up and down using the arrow keys

6. To run a line of code, click on the cell you want to run and click press Shift + Enter

When the code is finished running, you should see the cell number, leftmost side of the cell, and the output below the cell

7. To delete a cell, click on the Delete button

8. Notebooks can be downloaded either as a python file (.py) or as a Jupyter notebook (.ipynb)
    a. Recommended to save it as a Jupyter notebook for instructional purposes
    b. Recommended to save it as a python file for production / devops purposes
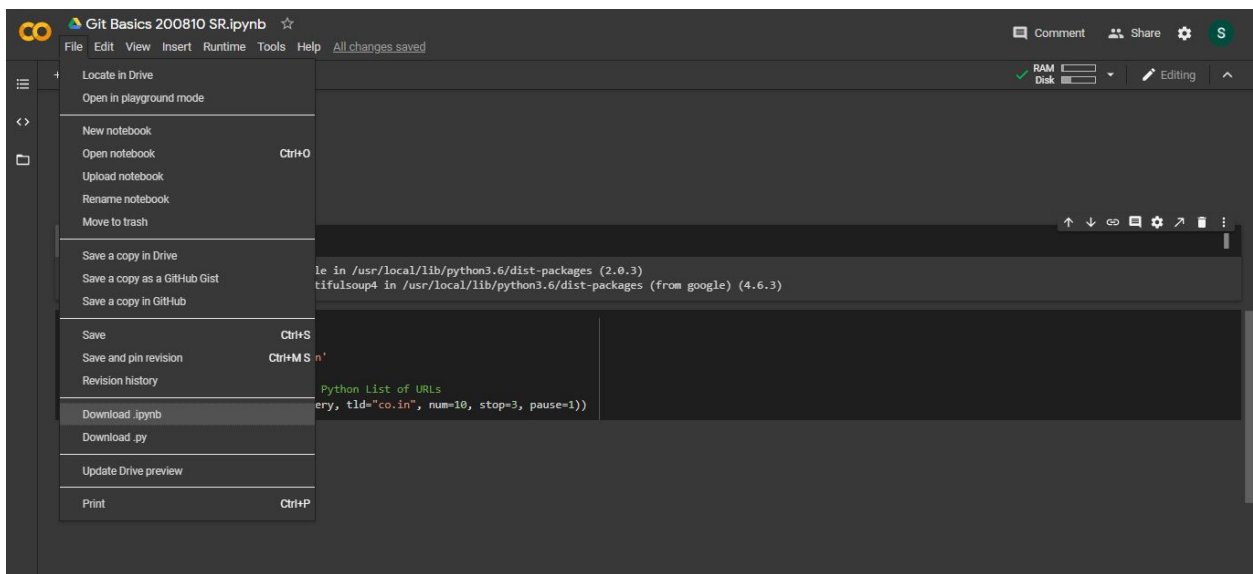
9. You can add collaborators to your notebook, or share it as a link
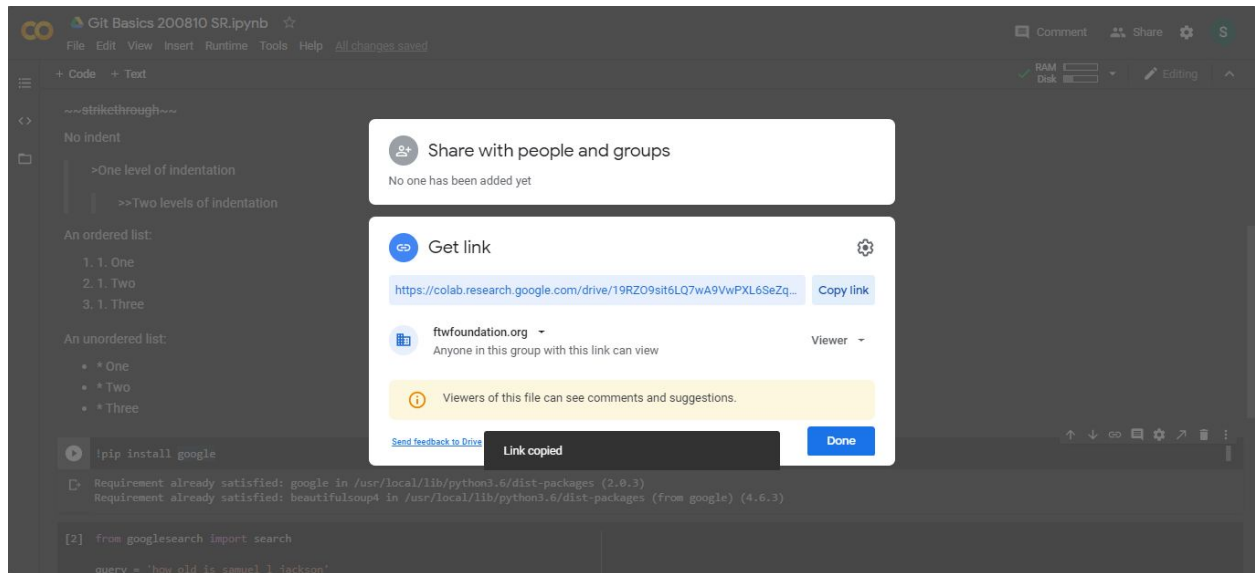
1. Create a new repo on your Github account

2. Input repo name and description
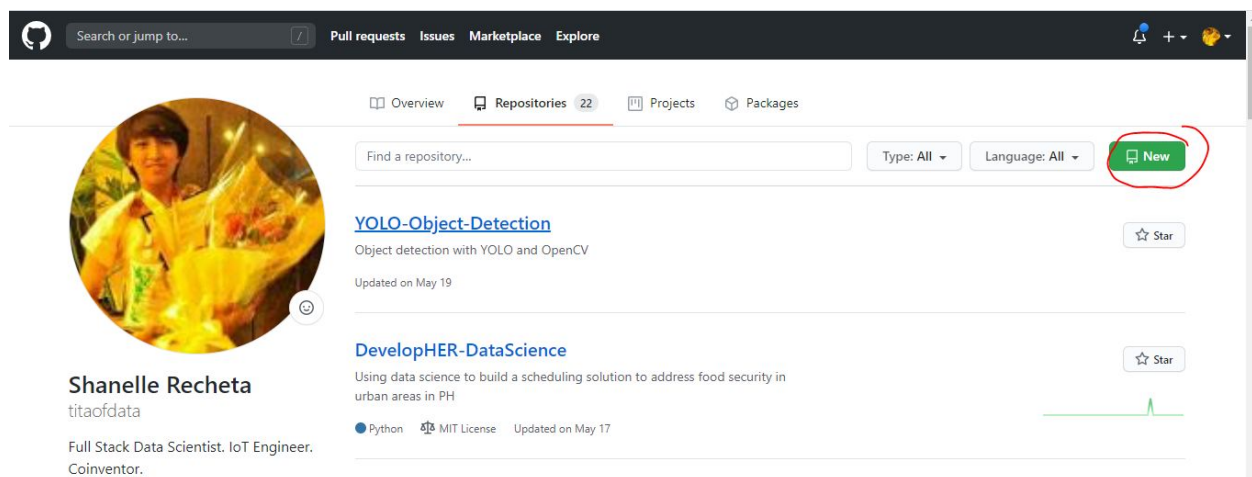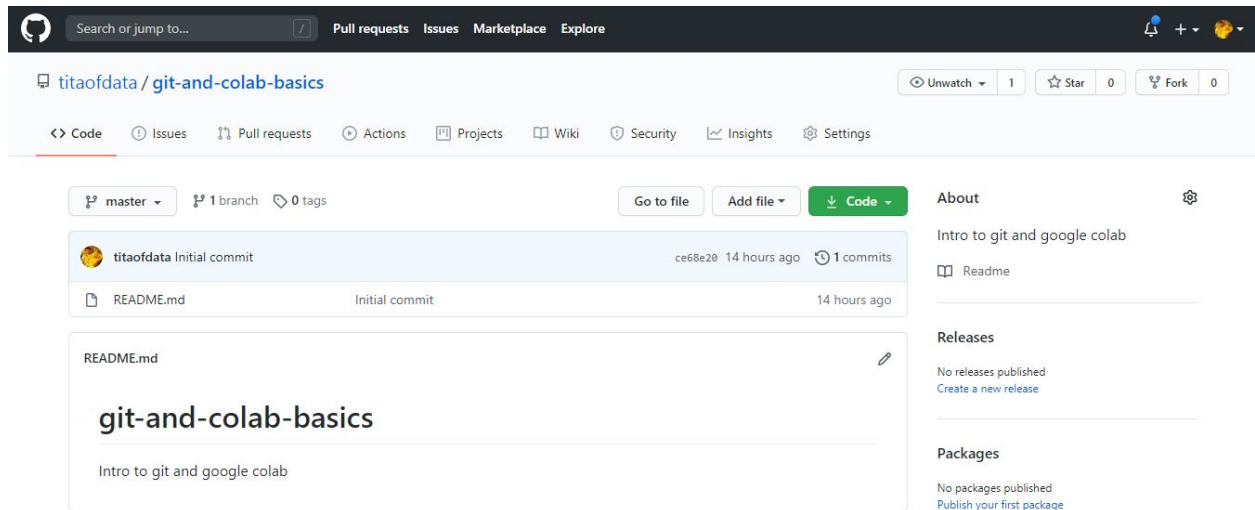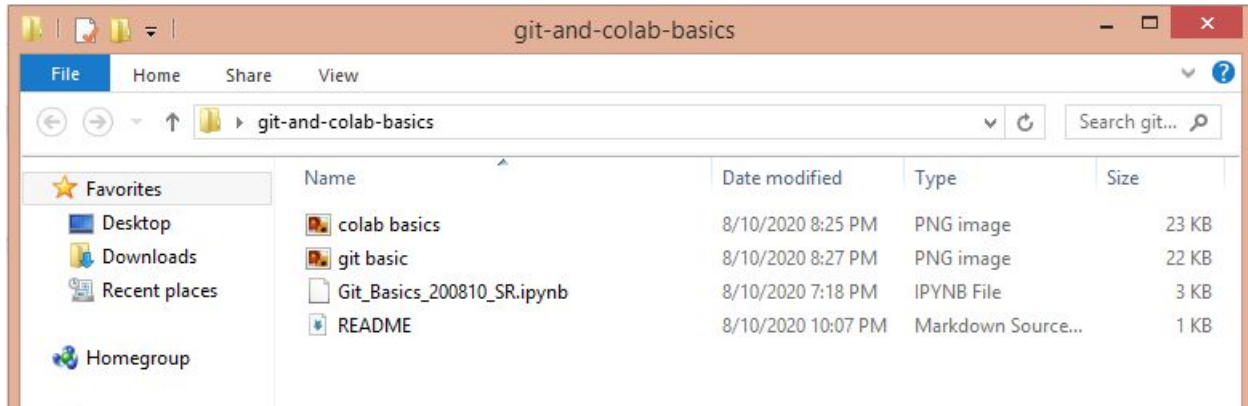

3. git clone url-of-your-repo

4. Copy the files to the same folder

5. **Go into the directory that contains the project.**

6. **git add .**

7. **git status**

8. **git commit -m "rush commit"**

9. **git push -u origin master**

```
C:\Users\admin2\Desktop\git-and-colab-basics>git add .
warning: LF will be replaced by CRLF in Git_Basics_200810_SR.ipynb.
The file will have its original line endings in your working directory

C:\Users\admin2\Desktop\git-and-colab-basics>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Git_Basics_200810_SR.ipynb
        new file:   colab basics.png
        new file:   git basic.png

C:\Users\admin2\Desktop\git-and-colab-basics>git commit -m "initial commit"
[master fd7987a] initial commit
 3 files changed, 116 insertions(+)
 create mode 100644 Git_Basics_200810_SR.ipynb
 create mode 100644 colab basics.png
 create mode 100644 git basic.png

C:\Users\admin2\Desktop\git-and-colab-basics>git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 43.23 KiB | 10.81 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/titaofdata/git-and-colab-basics
   ce68e20..fd7987a  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

C:\Users\admin2\Desktop\git-and-colab-basics>
```
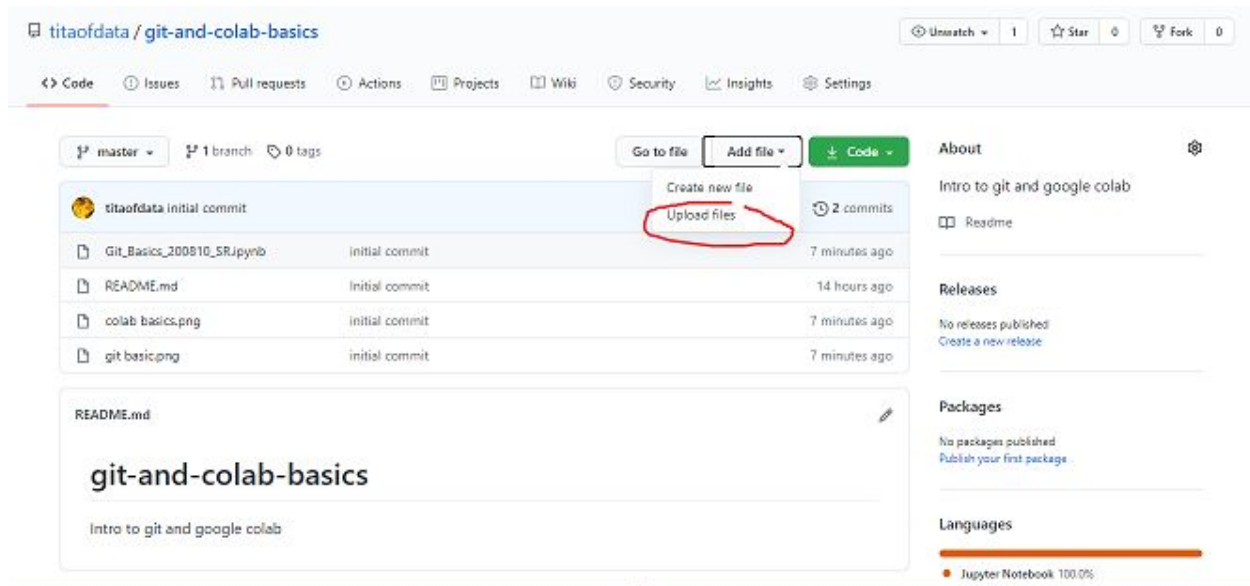
10. **Refresh your GitHub repo in the website and check if all files were uploaded**

    properly

11. You can also upload files directly to the github repo using the Add file button

Reference: https://kbroman.org/github_tutorial/pages/init.html
Github repo: