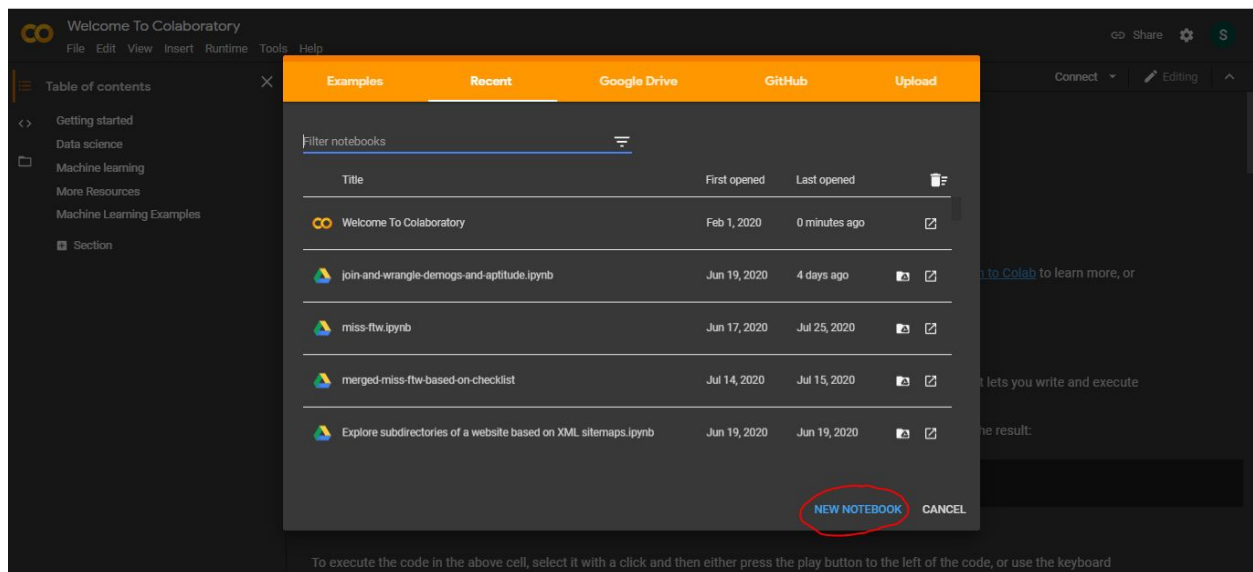
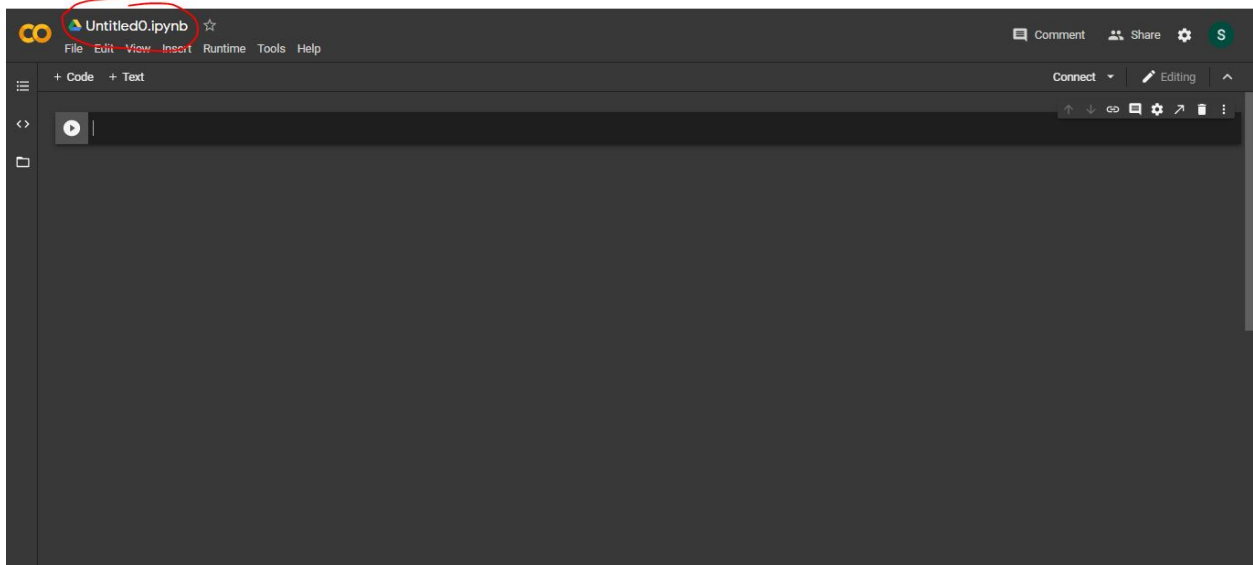


# Intro to Colab

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/>

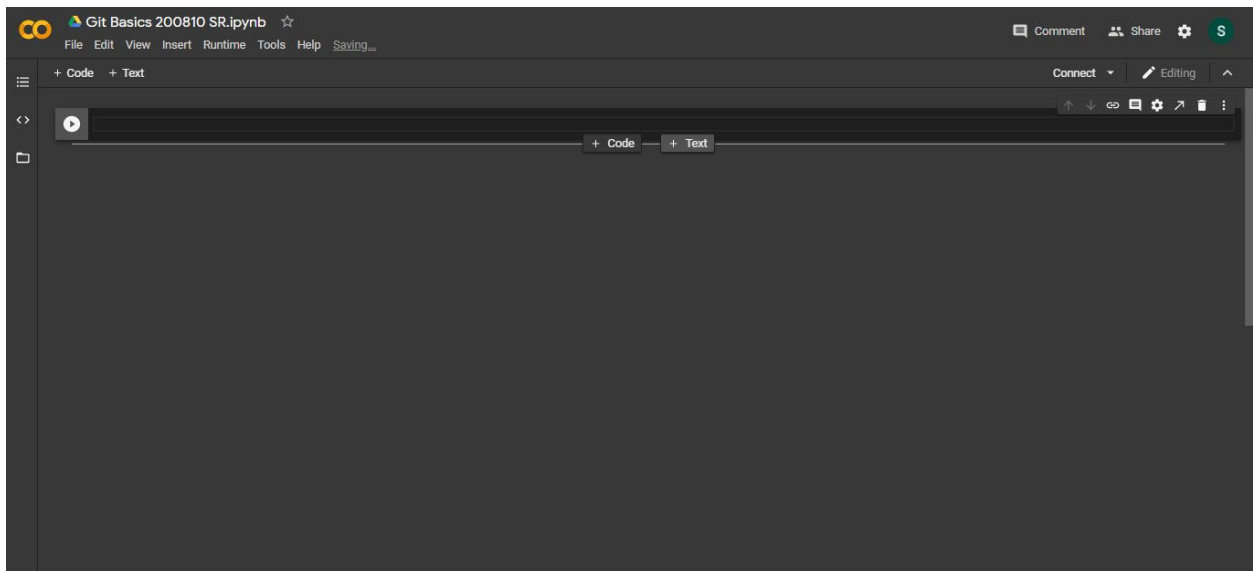


3. Rename your Jupyter notebook following this filename convention:  
Title YYMMDD Author Initials



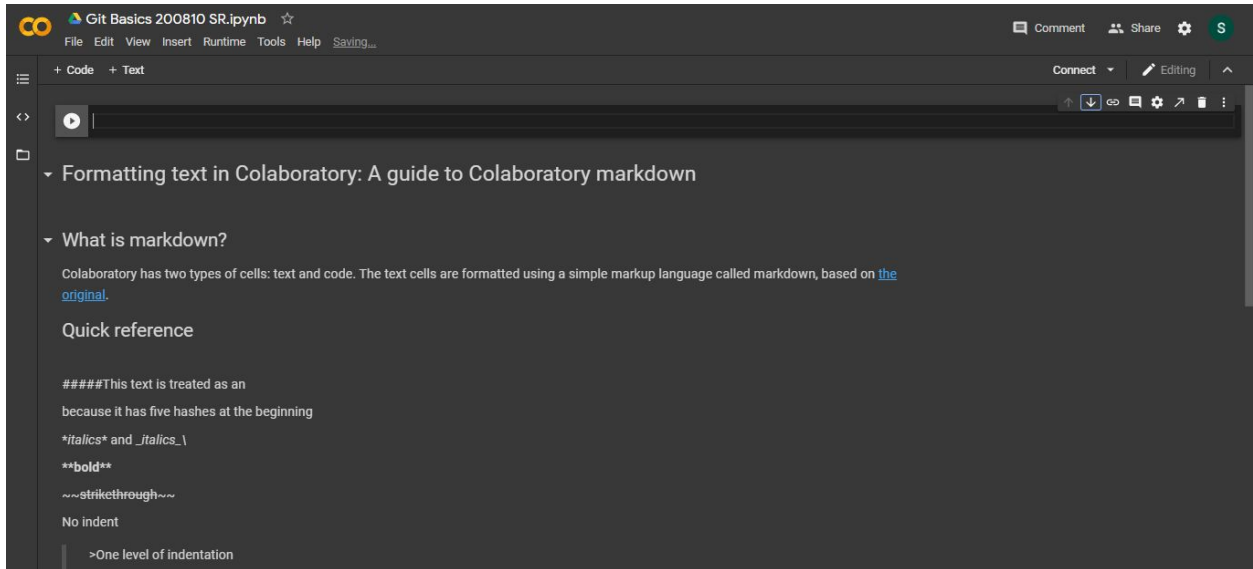
4. Hover over a cell to add a Code or Text

- 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](#)

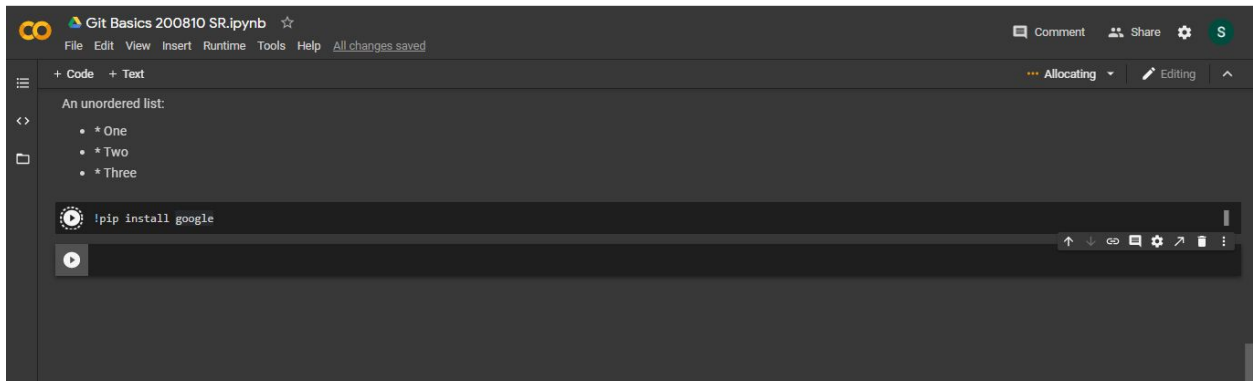


Link to sample Colab notebook [here](#)

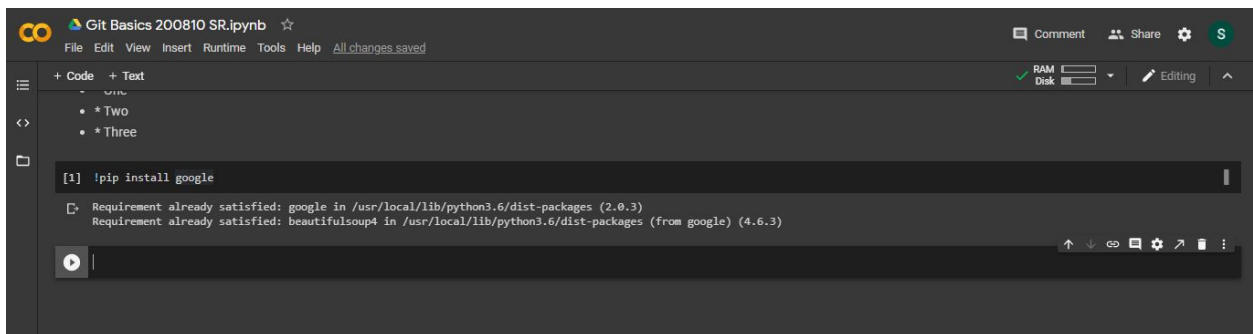
5. Move cells up and down using the arrow keys



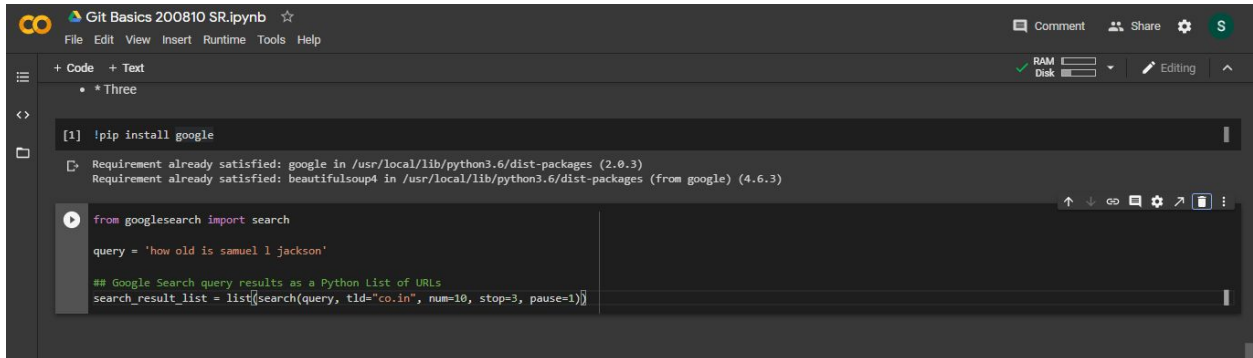
6. To run a line of code, click on the cell you want to run and click press Shift + Enter



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



The screenshot shows a Jupyter Notebook titled "Git Basics 200810 SR.ipynb". The interface includes a menu bar (File, Edit, View, Insert, Runtime, Tools, Help), a toolbar with icons for code, text, and execution, and a status bar showing RAM and Disk usage. The code cell contains the following Python code:

```
[1] !pip install google

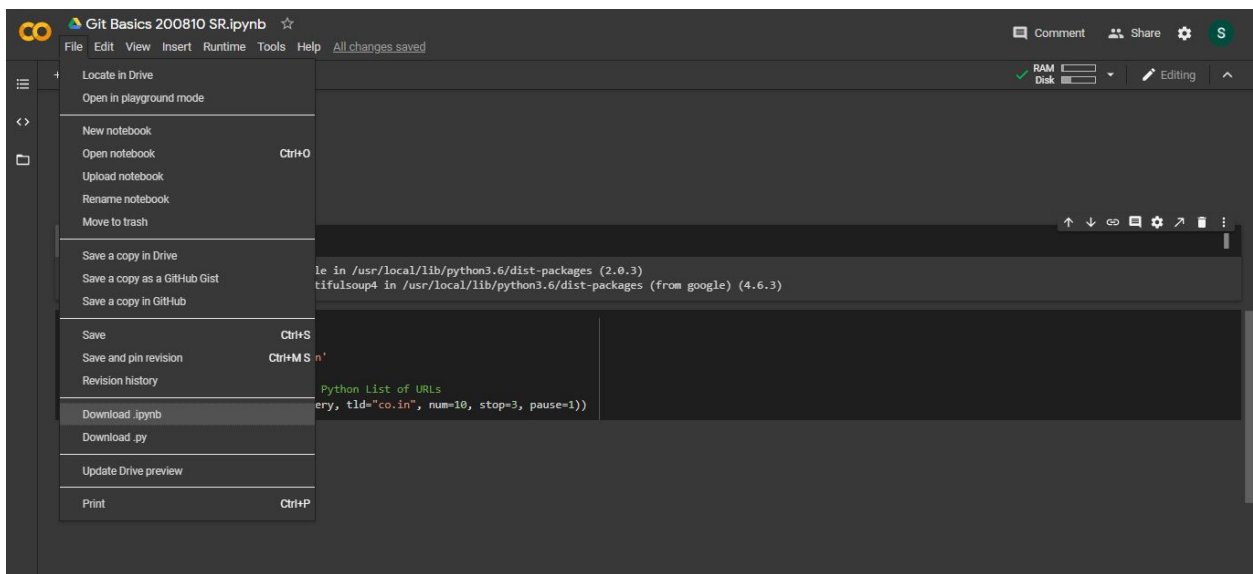
Requirement already satisfied: google in /usr/local/lib/python3.6/dist-packages (2.0.3)
Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.6/dist-packages (from google) (4.6.3)

from googlesearch import search

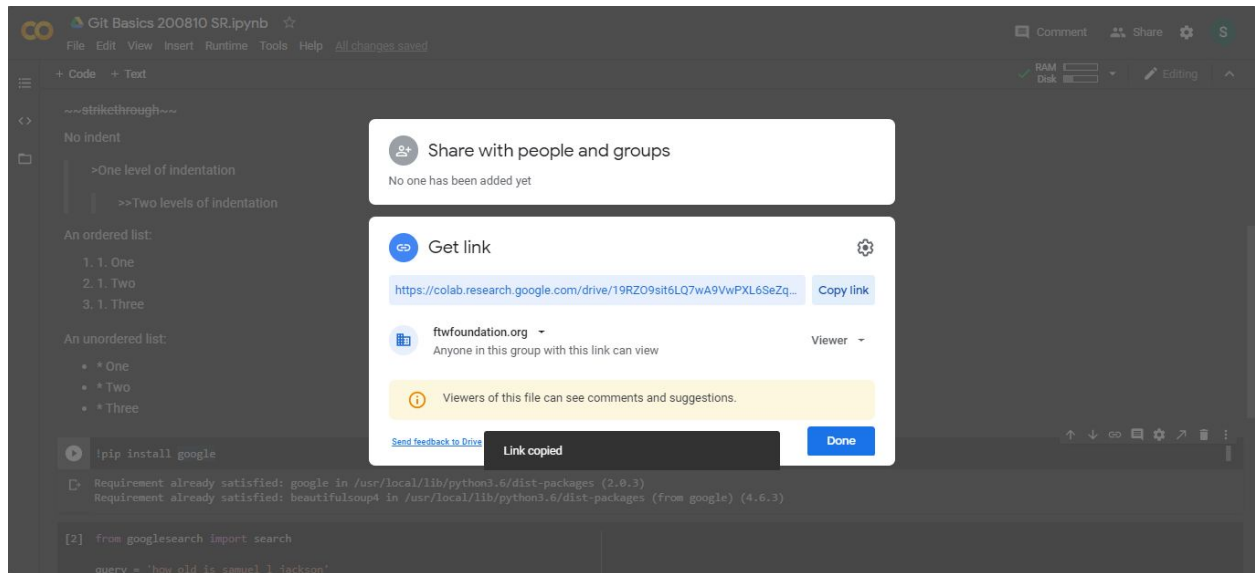
query = 'how old is samuel l jackson'

## Google Search query results as a Python List of URLs
search_result_list = list(search(query, tld="co.in", num=10, stop=3, pause=1))
```

8. Notebooks can be downloaded either as a python file (.py) or as a Jupyter notebook (.ipynb)
- Recommended to save it as a Jupyter notebook for instructional purposes
  - Recommended to save it as a python file for production / devops purposes

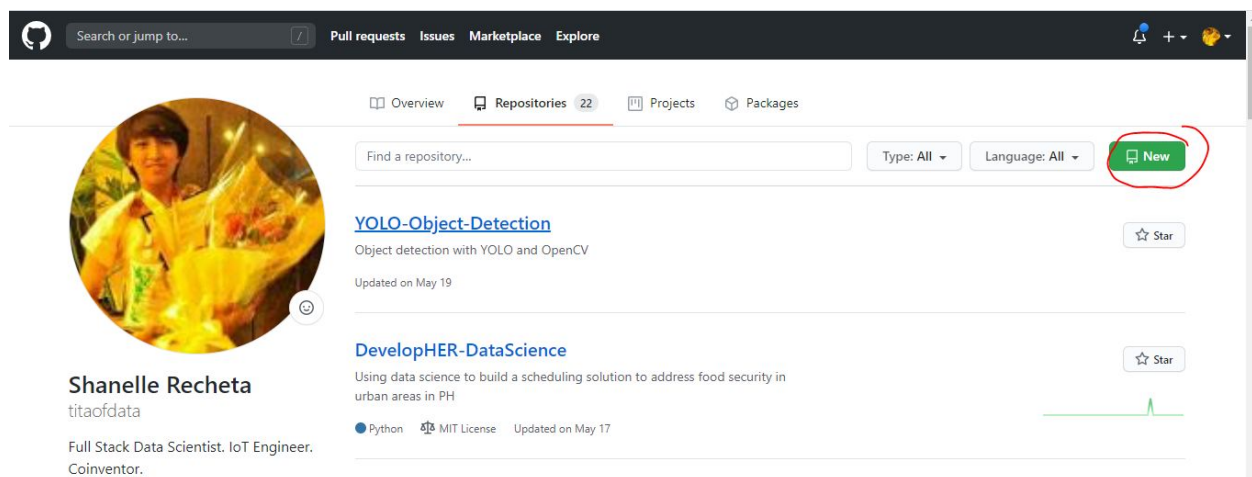


9. You can add collaborators to your notebook, or share it as a link

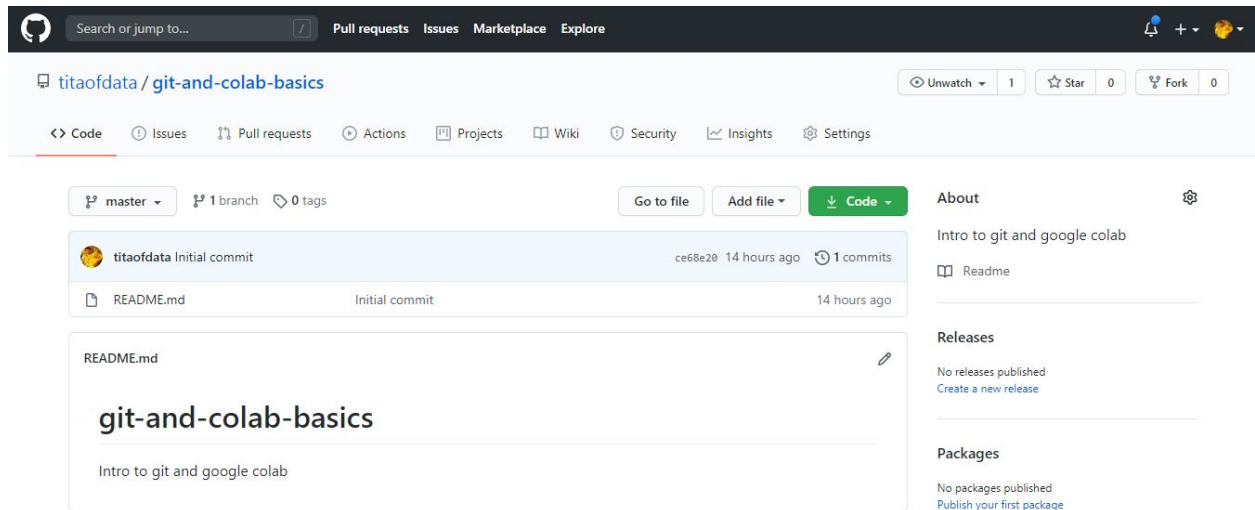


# Intro to Git

## 1. Create a new repo on your Github account



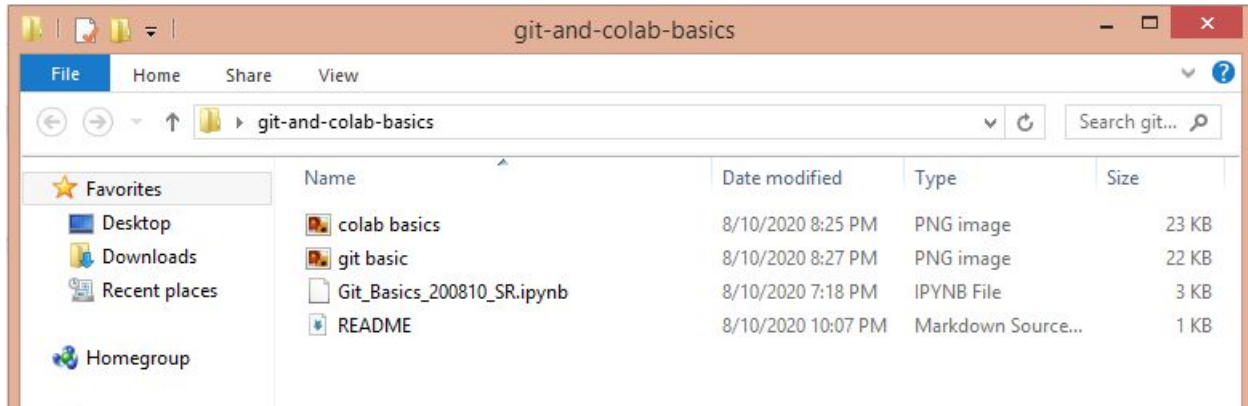
## 2. Input repo name and description



## 3. git clone url-of-your-repo

```
C:\Users\admin2\Desktop\Git Basics 200810 sr>cd ..  
C:\Users\admin2\Desktop>git clone https://github.com/titaofdata/git-and-colab-basics  
Cloning into 'git-and-colab-basics'...  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Compressing objects: 100% (2/2), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Receiving objects: 100% (3/3), done.  
C:\Users\admin2\Desktop>cd git-and-colab-basics
```

## 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

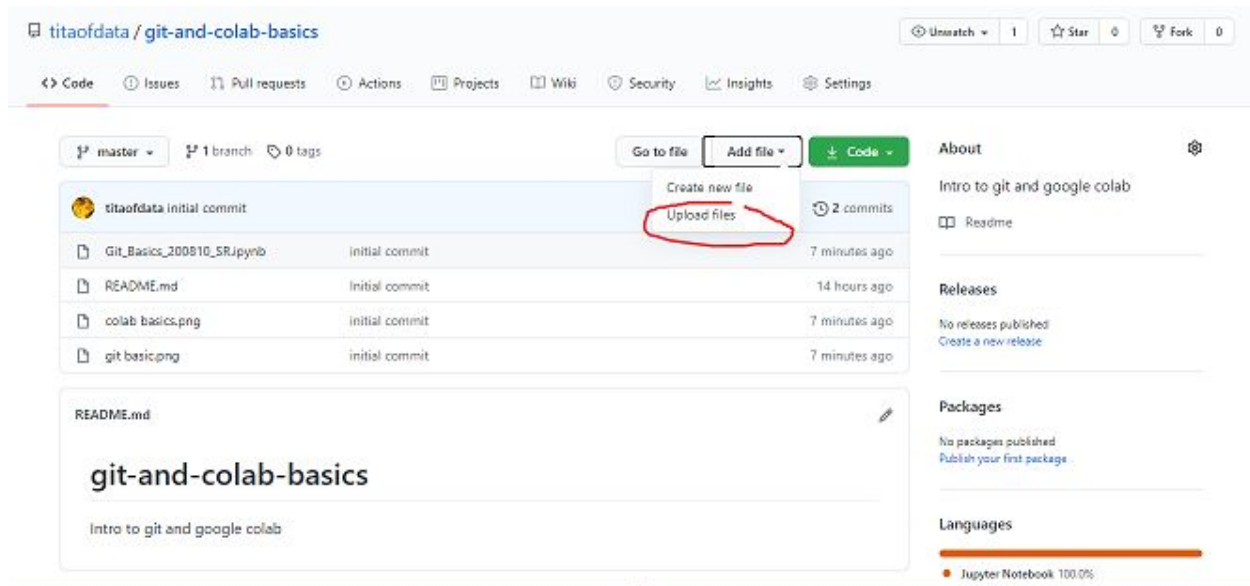
C:\Users\admin2\Desktop\git-and-colab-basics>git commit -m "initial commit"
[master fd7987a] initial commit
 3 files changed, 116 insertions(+)
 create mode 100644 Git_Basics_200810_SR.ipynb
 create mode 100644 colab basics.png
 create mode 100644 git basic.png

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](https://kbroman.org/github_tutorial/pages/init.html)

Github repo: