

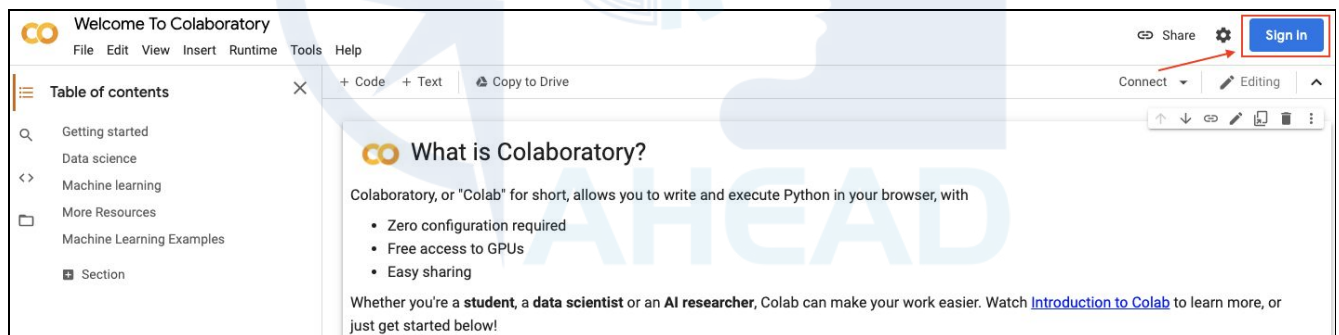
Setting up Google Colab

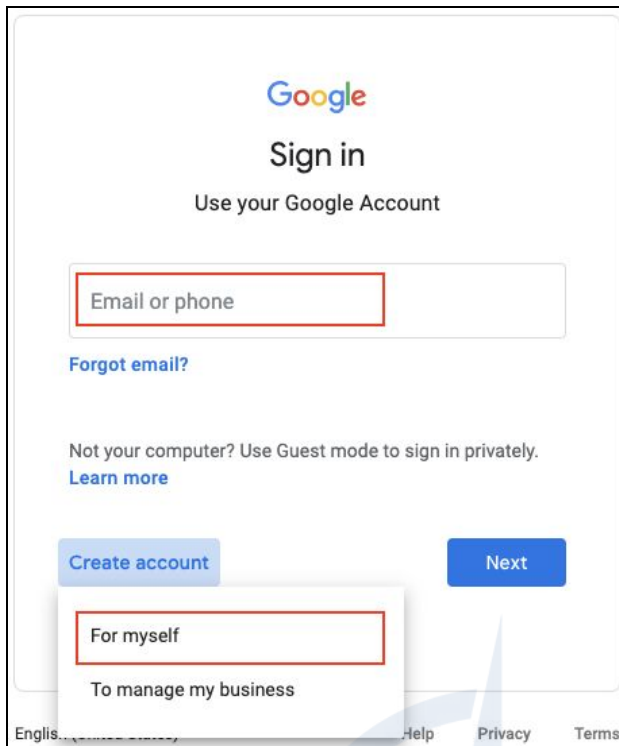
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Signing into Google Colab

1. Go to: colab.research.google.com
2. Click sign-in on the top right corner. Enter your existing google account (e.g. janedoe@gmail.com), or create an account and choose the option “For myself”.





Google

Sign in

Use your Google Account

Email or phone

[Forgot email?](#)

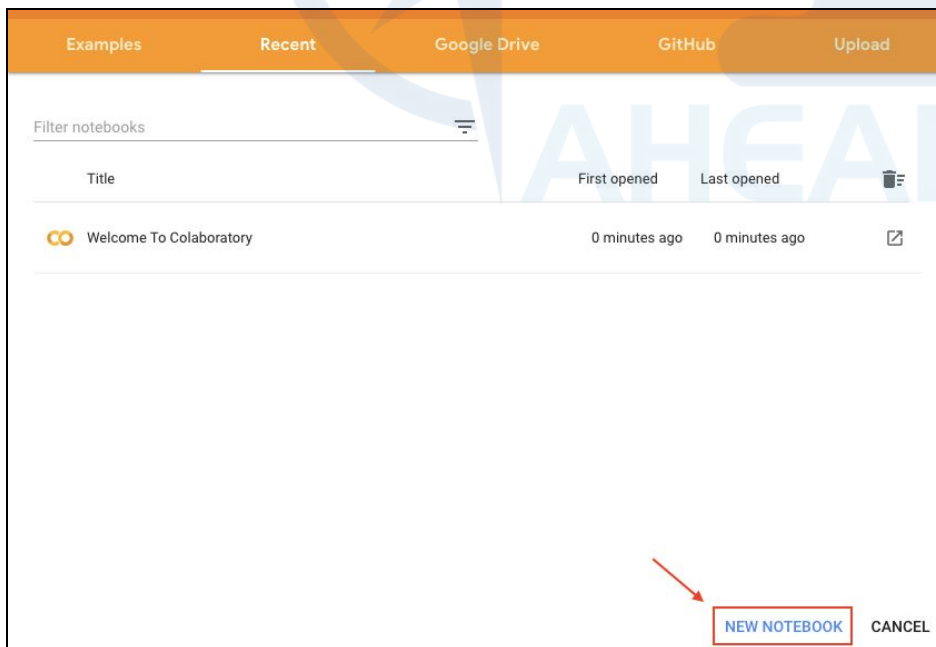
Not your computer? Use Guest mode to sign in privately.
[Learn more](#)

Create account Next

For myself
To manage my business

English Help Privacy Terms

- Once you successfully sign-in, you will see the window below. **Create a new workbook** by clicking “New Notebook” at the bottom right, or go to an existing workbook by clicking an item on the list.



Examples Recent Google Drive GitHub Upload

Filter notebooks

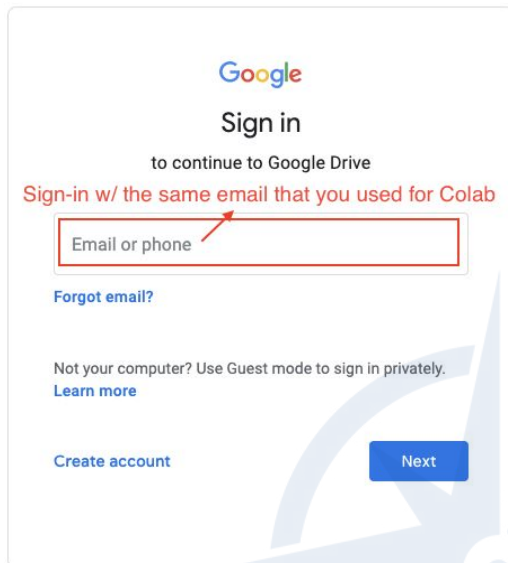
Title	First opened	Last opened	
Welcome To Colaboratory	0 minutes ago	0 minutes ago	

NEW NOTEBOOK CANCEL

Connecting Colab to Google Drive

Google Colab automatically saves your workbooks to Google Drive. Here's how to set up a Google Drive account.

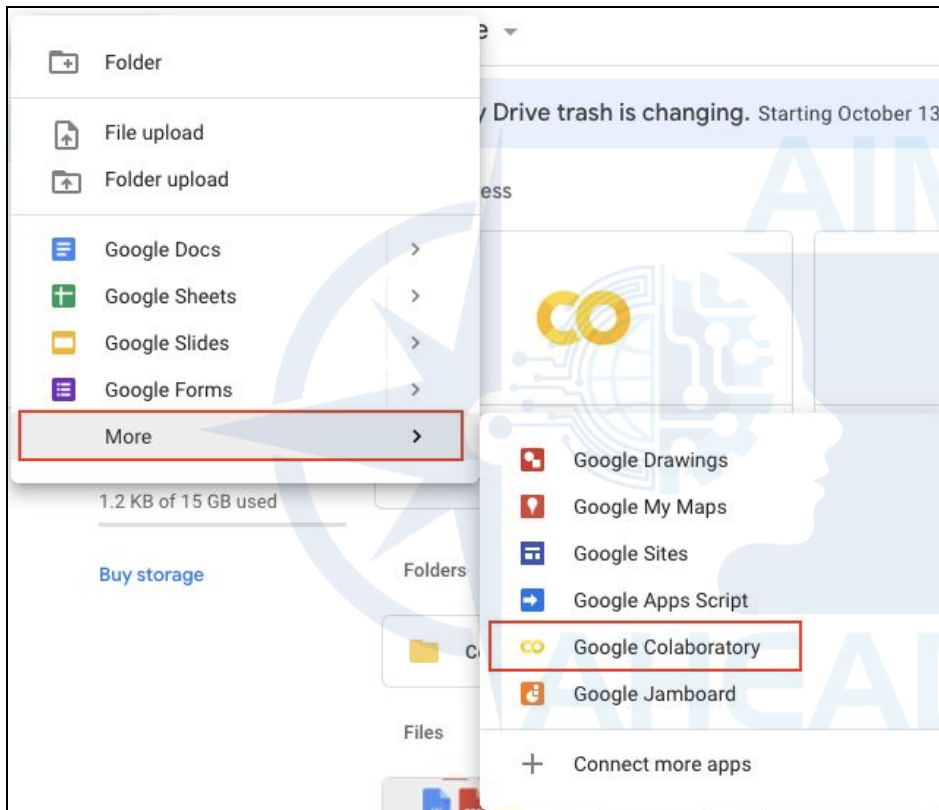
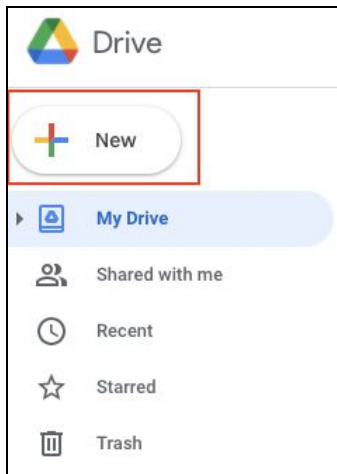
1. Go to: drive.google.com.
2. Sign-in using the google account you used for Google Colab.



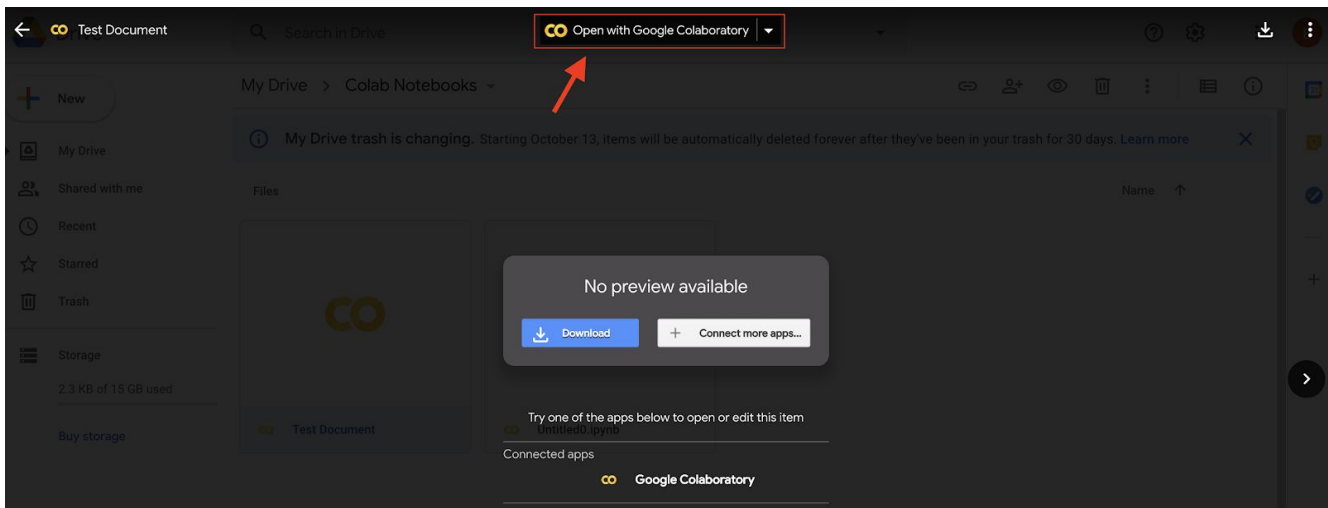
3. Google Colab should have automatically created a folder called “Colab Notebooks”. All of your files will be saved here.
 - a. If you want your Colab workbook to be saved in another location, you can relocate it by dragging and dropping the file within your Google Drive.



4. To create a new Colab workbook from Google Drive, click “New” at the top left → “More” at the bottom of the list → “Google Colaboratory”

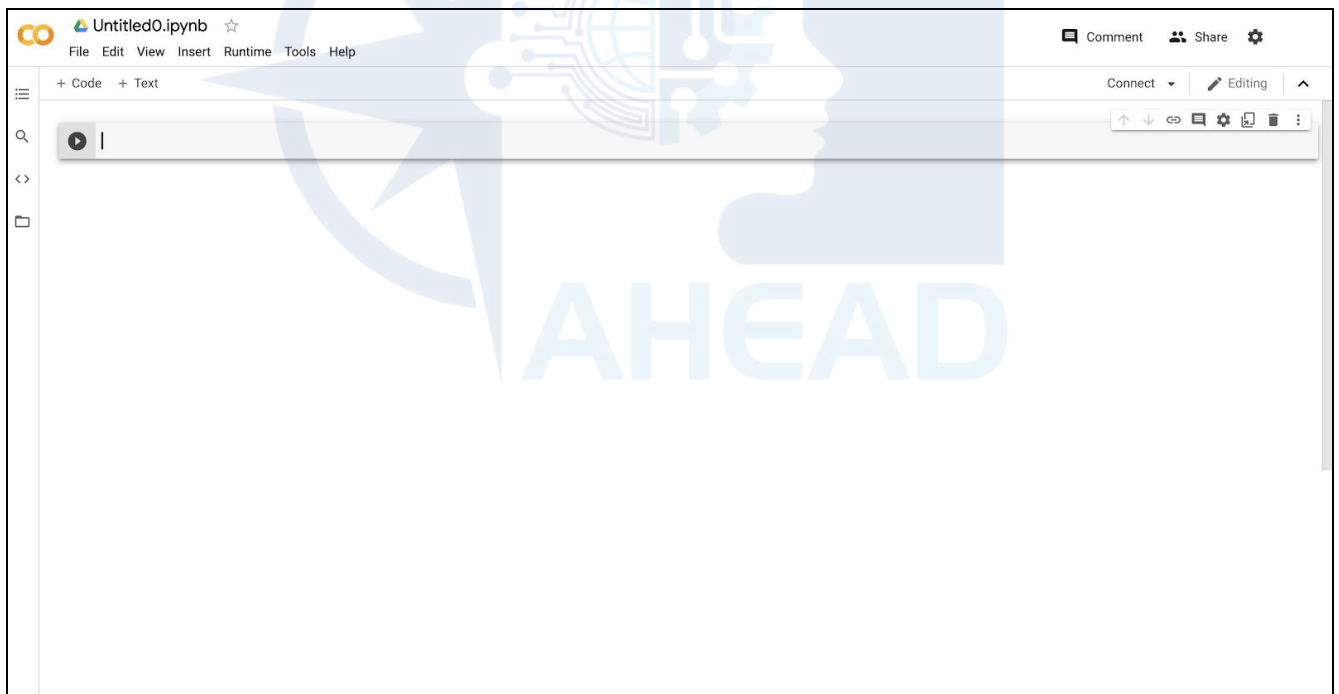


- To open a Colab workbook from Google Drive, first double click the file. If the workbook does not automatically open in Google Colab, click “Open in Google Colaboratory” at the top.



Understanding the Colab Interface

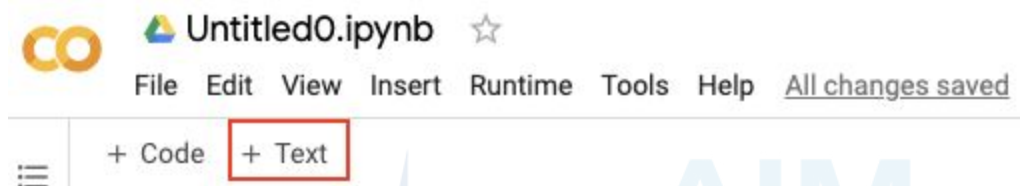
- This is what a blank Colab notebook looks like:



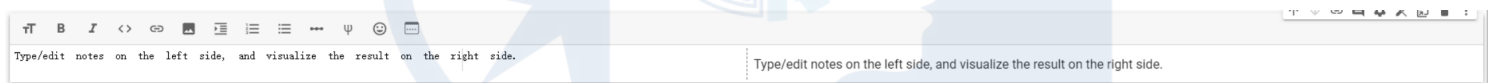
- **Page Name:** Your first document will automatically be named “Untitled0.ipynb”.
 - The extension of the notebook is .ipynb, which stands for Interactive Python NoteBook.
 - **Renaming the workbook:** Even if you delete the .ipynb extension in your file name to something like “Workbook1”, your document will still be saved as an .ipynb workbook.

You can create two types of “cells” in Colab: code cells and text cells.

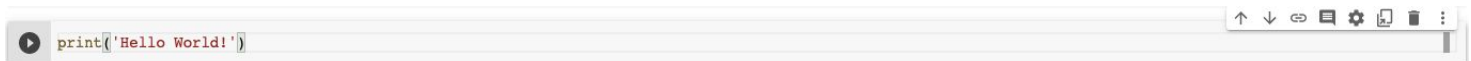
- **Text Cells:** These text cells allow you to write in Markdown, which is similar to the plain text you write in a Word document.
 1. Start a text cell by clicking the “+ Text” button.



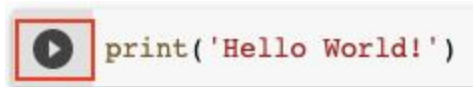
2. Text cells can be used to take notes or explain your code. The text cell is split into two columns. The left column is for typing text, and the right column is the resulting output.



- **Code Cells:** These cells allow you to write and run code. There are two square brackets [] that indicate it's a code cell. You will NOT be able to format the text you write in a code cell. Let's try to run a simple “Hello World!” code.
 1. Type your code in the cell.



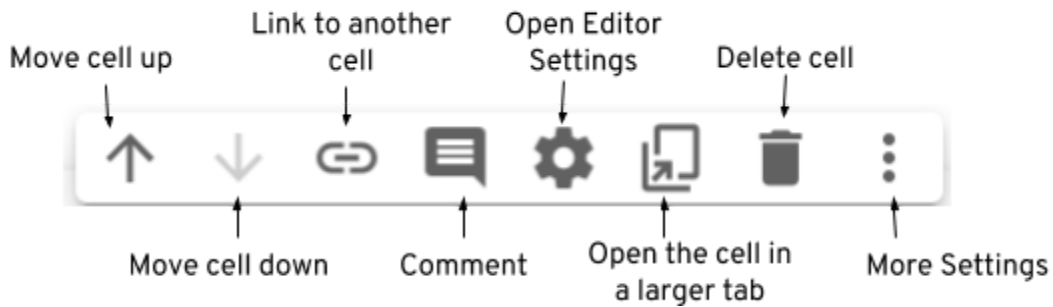
2. To run your code, click the play button to the left of the code cell.



3. The output of your code will display at the bottom of the code cell.



- **Understanding the toolbar:** The toolbar is located at the upper right hand corner of every cell. Here is a diagram of the shortcuts:



Sharing a workbook

1. Click the share button at the top right of the workbook.



2. There are two ways you can share your workbook:
 - a. Add collaborators by entering their email address in the “Add people and groups” box.
 - b. Share a link to your workbook by clicking “Copy link”

