How to Connect Google Colab with Google Drive

By **Md kaish Ansari** - June 7, 2019

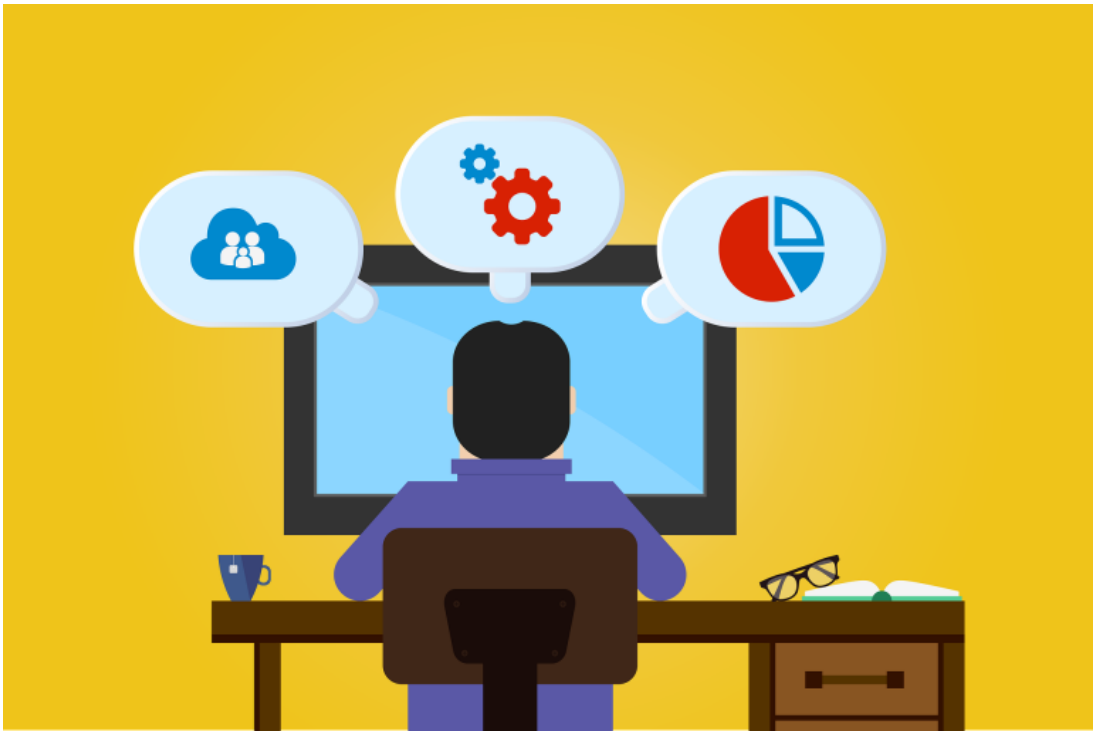


*Image by **Mudassar Iqbal** from **Pixabay***

In this tutorial, you'll learn how to connect your Google Colab with Google Drive to build some Deep Learning model on Google Colab. In Google Colab, you can build deep learning models on 12GB of GPU besides this now, Google Colab is providing TPU also.

This is a completely free to use research project from Google.

What is Google Colaboratory ?

In Short, Google Colaboratory is known as Colab. This is a cloud service, and now Google Colab supports GPU and TPU!

Using Colab, you can:

- Enhance your Python programming language coding skills
- Develop excellent deep learning models using most popular libraries like TensorFlow, Keras, PyTorch, and OpenCV.
- Do anything without much worrying about packages, libraries, and their installation.
- Here is Colab most of the libraries are pre-installed that makes it easy to use, libraries which are not pre-installed here can be installed with a simple command

  " !pip install package_name

Loading Your Data into Google Colaboratory.

One thing that makes Colab the best of all is that it comes with various libraries that help in accessing lots of Services provided by Google itself. Colab saves all your Jupyter Notebook to Google Drive, and you can share your Jupyter Notebooks very efficiently anywhere.

But the problem arises when we have to work with huge Dataset, As google colab also provides many ways to upload your data to its Virtual Machine on which your code is running. But as soon as you got disconnected all of your Data is lost when you reconnect to new Virtual Machine that is offered to you.

I'm here to help you with this problem of uploading your data to colab again and again.

To avoid this problem, follow these Steps:

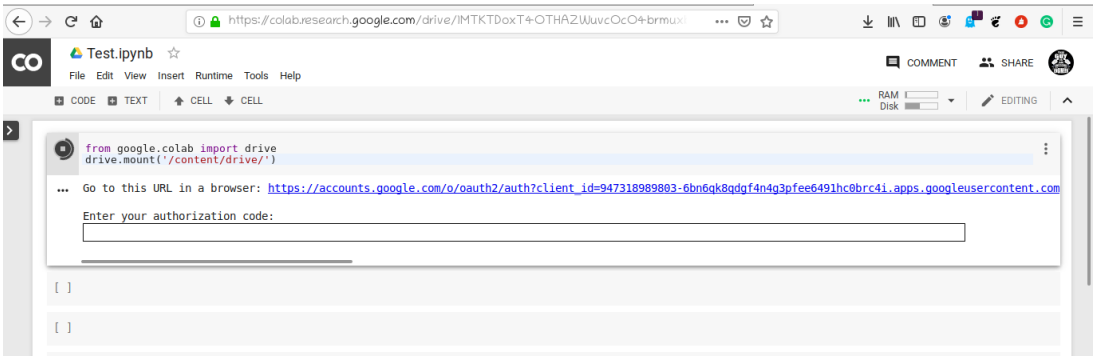
1. First of all, Upload your Data to your Google Drive.

2. Run the following script in colab shell.

#Start by connecting gdrive into the google colab

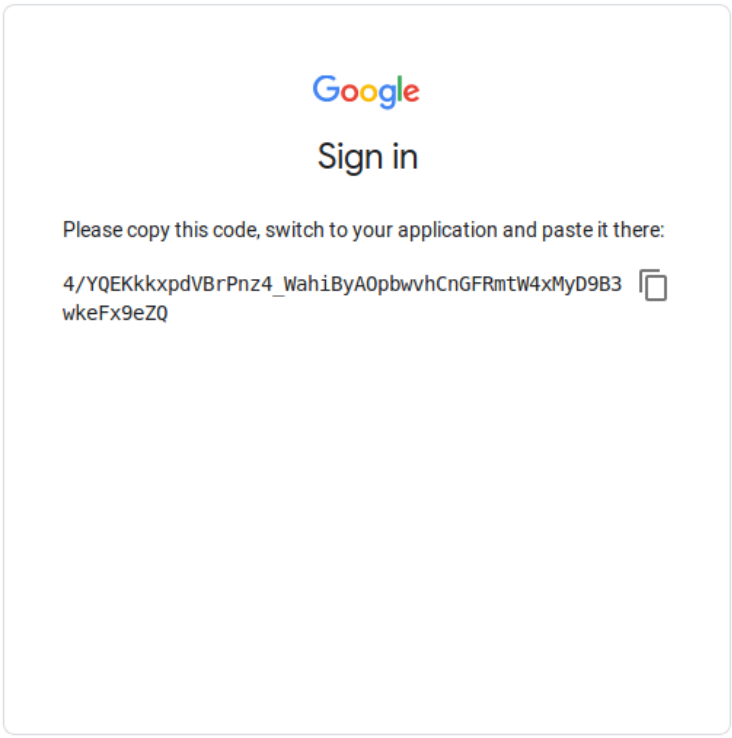
from google.colab import drive

drive.mount('/content/gdrive')



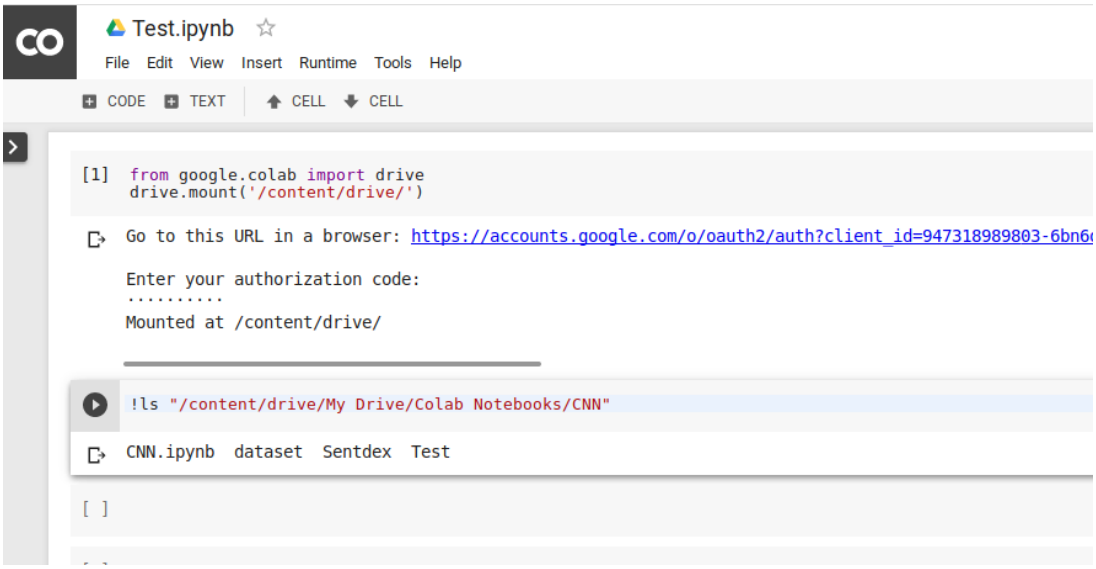
Go to the mentioned link..

3. Copy the authorization code of your account.



4. Paste the authorization code into the output shell.

5. Congrats! Now your Google Drive is mounted to this location /content/gdrive/My Drive/



Cheers!! Happy Coding!!

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Md kaish Ansari

I am Md kaish Ansari currently Pursuing my B.tech with Computer Science and Engineering Degree at IIIT Una (Indian Institute of Information Technology Una , INDIA). Love solving algorithmic challenges, learning new algorithms, data structures and building things from scratch. Also interested in working and collaborating with people to develop the field of Computer Science. I'm a Deep Learning enthusiast and always tries to learn new things. I want to explore new things in this field in real world. I love to work with Deep Learning/ Computer Science natives so that I can understand these things much better and contribute to real world problems.