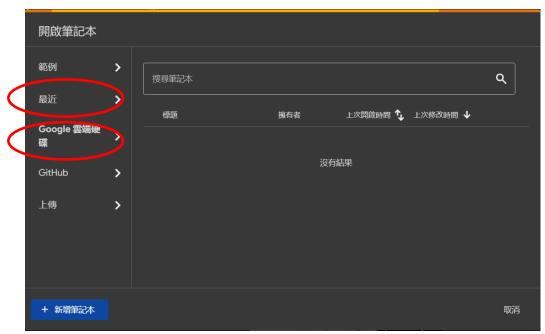


Google Colab Tutorial

Open the desired notebook on Colab

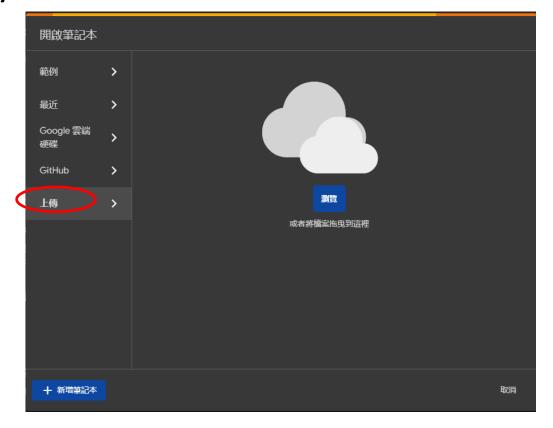
- Unzip the file and upload the whole directory to Google drive first
- https://colab.research.google.com/?hl=zh-tw
- If you are using Colab for the first time and find that you cannot open ipynb files, please refer to pages 3 and 4. If you are able to open it, you can skip pages 3 and 4.



You can try these two options to try to locate the files

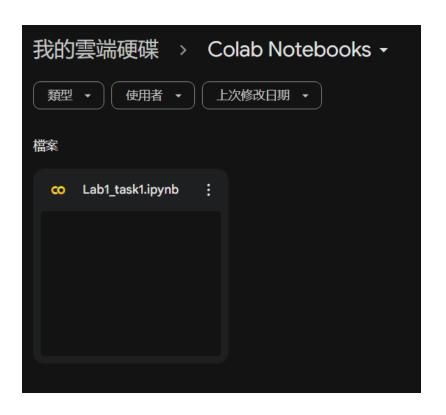
Open the desired notebook on Colab

- Unzip the file and upload it to Google drive first (except ipynb)
- https://colab.research.google.com/?hl=zh-tw
- Upload your .ipynb file on colab website



Move ipynb to the same directory as other data

- After you upload your .ipynb file to the Colab website, you may find that your Google Drive has a directory called 'Colab Notebooks'.
- Move the ipynb to the same directory as the other data





Connect to GPU resource





You can check whether the connection to GPU is set.

```
import torch
torch.cuda.is_available()
```

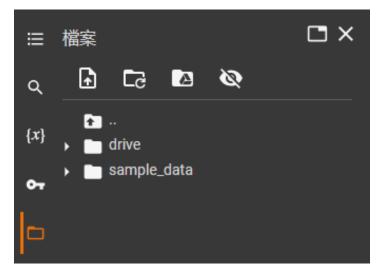
In Lab1, you can skip this step
You don't need to use GPU in Lab1

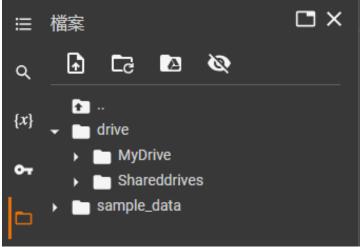
Mount your google drive to notebook

Insert the following code cell at the top of your code.

```
from google.colab import drive drive.mount('/content/drive')

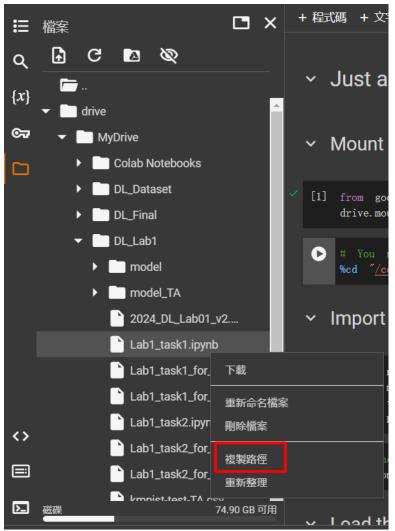
Mounted at /content/drive
```





Go to the directory where the code and dataset is located

Either <w> or <w/o> "%" in front of the command of cd is allowed



%cd "/content/drive/MyDrive/DL_Lab1/"

Run your program

- It's similar to jupyter notebook
- You can run a specific cell

```
from google.colab import drive drive.mount('/content/drive')
```

 You can also select "run all" to execute all cells



Reminder

- If you change any of the cells, you need to run the cell you edited before training in order to apply the new settings.
- If you edited layer.py and network.py, you should restart kernel (runtime)
- You can use Google Gemini to help you complete the code





Reference

- 常見問題
 - https://research.google.com/colaboratory/faq.html?hl=zh-cn
- 長時間執行
 - https://blog.csdn.net/weixin_42722532/article/details/127540028
 - https://blog.csdn.net/weixin_42166222/article/details/123229420