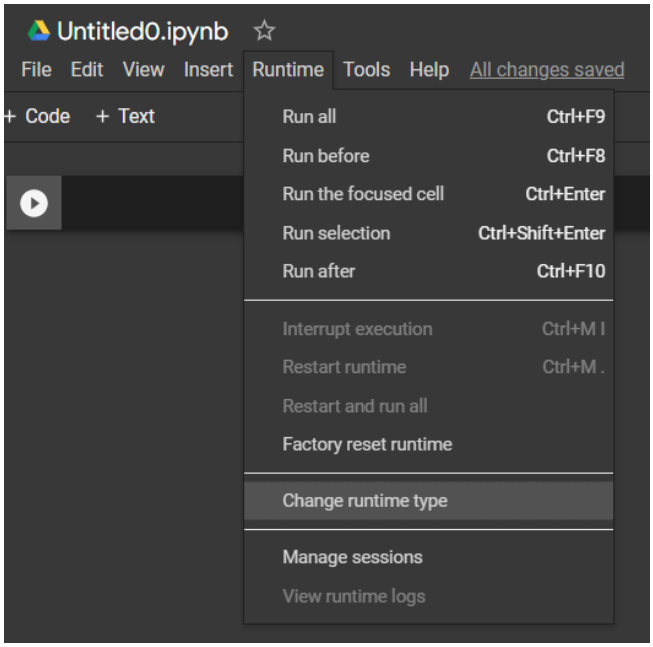
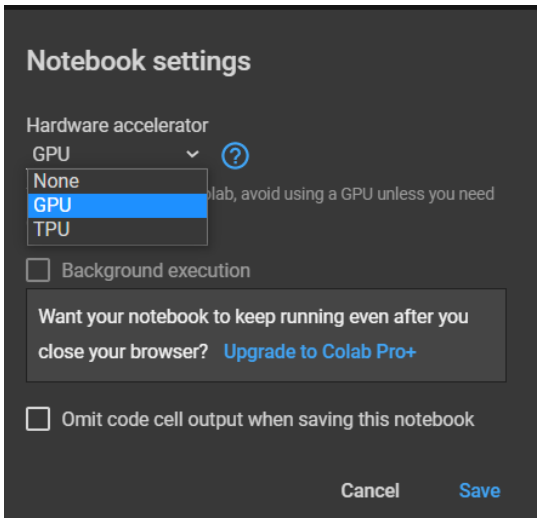
Step 1. Go to google colab account and start a new python notebook

Step 2: Starting the GPU runtime(GPU helps in faster computation, else the processing can take minutes if not days).

To start GPU

- Navigate to runtime
- Select change runtime type
- 

- Click on the small dropdown button below the hardware accelerator and select GPU.
- 

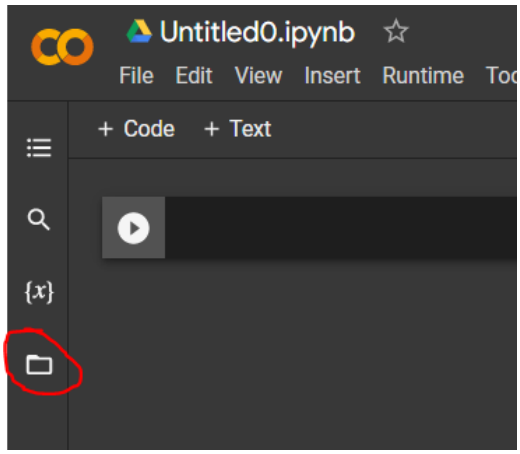
- Then save this

Step 3: Zip the images on local machine

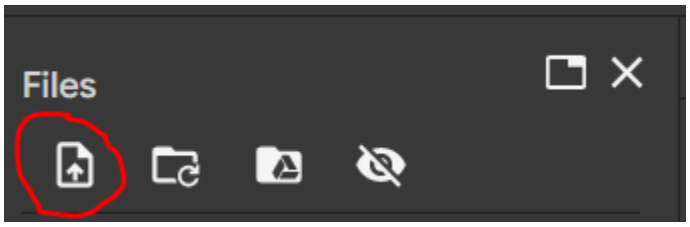
Step 4: upload the images on google colab

For uploading

1. Click on folder icon on left hand side.



2. Click on file upload button



3. Select the zip file that you created in the last step.

Step 5:
Run following two commands in google colab.

1. !pip install fer
2. !unzip images.zip

Step 6: Copy the code from detect_emotions.py file in the next box.

```
import os
import cv2
import glob
from fer import FER
import pandas as pd

final_dict = dict()
final_dict["File name"] = []
final_dict["emotion"] = []
final_dict["score"] = []
current_path = os.getcwd()
detector = FER(mtcnn=True)
for file in glob.glob(current_path+"/images/*.jpg"):
  img = img = cv2.imread(file)
  emotion, score = detector.top_emotion(img)
  file_name = file.split("/")[-1]
  final_dict["File name"].append(file_name)
  final_dict["emotion"].append(emotion)
  final_dict["score"].append(score)

df = pd.DataFrame(final_dict)
df.to_csv("File_vs_emotions.csv",index=False)
```

Step 7: Download the csv file generated.

For downloading the file, click on three dots next to the csv file name and click download.