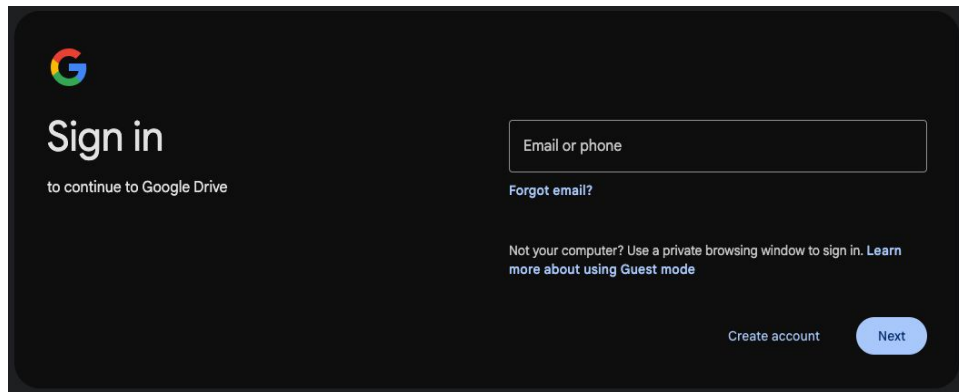


## 1. Sign into [Google Drive](#).



















## 2. Open the workshop [Shared Folder](#).

CNPRM Workshop

Download all



Name 	Owner	Last modified 	File size	
 Dataset_BUSI_with_GT	 Owner hidden	Apr 23, 2025	—	
 saved_models	 Owner hidden	Apr 23, 2025	—	
 saved_models_binary	 Owner hidden	Apr 29, 2025	—	
 ultrasound_prepared	 Owner hidden	Apr 23, 2025	—	
 ultrasound_prepared_binary	 Owner hidden	Apr 29, 2025	—	
 Image Analysis Tutorial.ipynb 	 Owner hidden	May 2, 2025	816 KB	

### 3. Create a **shortcut** for the shared folder.

Shared with me > CNPRM Workshop

Type People

Name ↑

Dataset\_BUSI\_with\_GT

saved\_models

saved\_models\_binary

ultrasound\_prepared

ultrasound\_prepared\_t

Image Analysis Tutorial.ipynb

New folder ^C then F

Open with

Download

Rename ^⌘E

Share

Organize ^⌘O

Folder information

Remove Delete

Move ^⌘M

Add shortcut ^⌘R

Add to starred ^⌘S

Folder color

Add shortcuts to 5 items

Suggested Starred All locations

My Drive

Shared drives

Computers

Shared with me

Owner

Last modified ▾

File size

Apr 23, 2025 Yusufii0707

Apr 23, 2025 Yusufii0707

Apr 29, 2025 Yusufii0707

Apr 23, 2025 Yusufii0707

4:04 p.m. Yusufii0707

m. Yusufii0707

878 KB

Cancel Add

# 4. Go to My Drive and open the shortcut.

My Drive ▾

✓ ☰ ⓘ

✕ 1 selected 📁 🗑️ ⋮

Name ↑	Owner	Last modified ▾	File size	⋮
📁 CNPRM Workshop				👤 ⬇️ ✎ ☆ ⋮

# 5. Open **Google Collab** file.

Shared with me > CNPRM Workshop ▾ 👤

✓ ☰ ⓘ

Type ▾ People ▾ Modified ▾ Source ▾

Name ↑	Owner	Last modified ▾	File size	⋮
📁 Dataset_BUSI_with_GT		Apr 23, 2025 Yusufii0707	—	⋮
📁 saved_models		Apr 23, 2025 Yusufii0707	—	⋮
📁 saved_models_binary		Apr 29, 2025 Yusufii0707	—	⋮
📁 ultrasound_prepared		Apr 23, 2025 Yusufii0707	—	⋮
📁 ultrasound_prepared_binary		4:04 p.m. Yusufii0707	—	⋮
🔗 Image Analysis Tutorial.ipynb 👤		4:18 p.m. me	986 KB	👤 ⬇️ ✎ ☆ ⋮

6. Now your in Google Collab.

```
Image Analysis Tutorial.ipynb
File Edit View Insert Runtime Tools Help

Commands + Code + Text

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

[ ] import os
    from PIL import Image
    import matplotlib.pyplot as plt

    image_directory = '/content/drive/MyDrive/CNPRM Workshop/Dataset_BUSI_with_GT/malignant'

    # List all files in the directory
    image_files = [f for f in os.listdir(image_directory) if os.path.isfile(os.path.join(image_directory, f))]

    for image_file in image_files:
        try:
            image_path = os.path.join(image_directory, image_file)
            img = Image.open(image_path)
            plt.imshow(img)
            plt.title(image_file)
            plt.show()
            print(f"Image: {image_file}, Size: {img.size}, Mode: {img.mode}")
            break

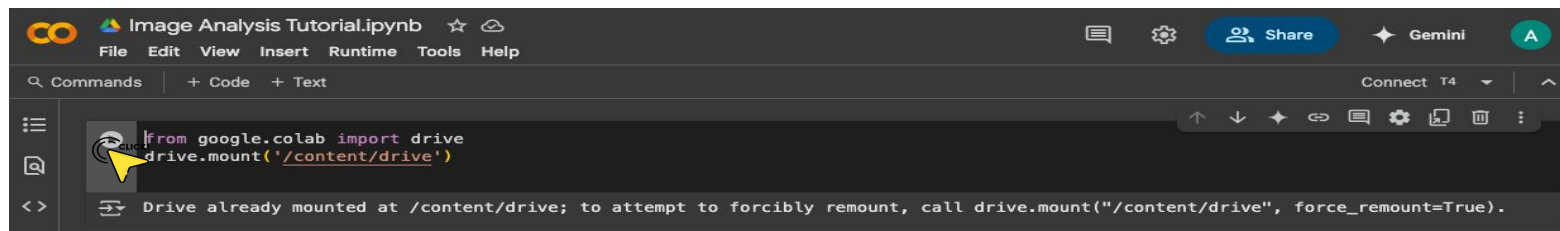
        except IOError:
            print(f"Error opening image file: {image_file}")

malignant (109).png
RT AXILLA

Image: malignant (109).png, Size: (552, 471), Mode: RGB

[ ] # One time run only
    # ===== STEP 1: PREPARE DATASET STRUCTURE (IGNORE MASKS) =====
```

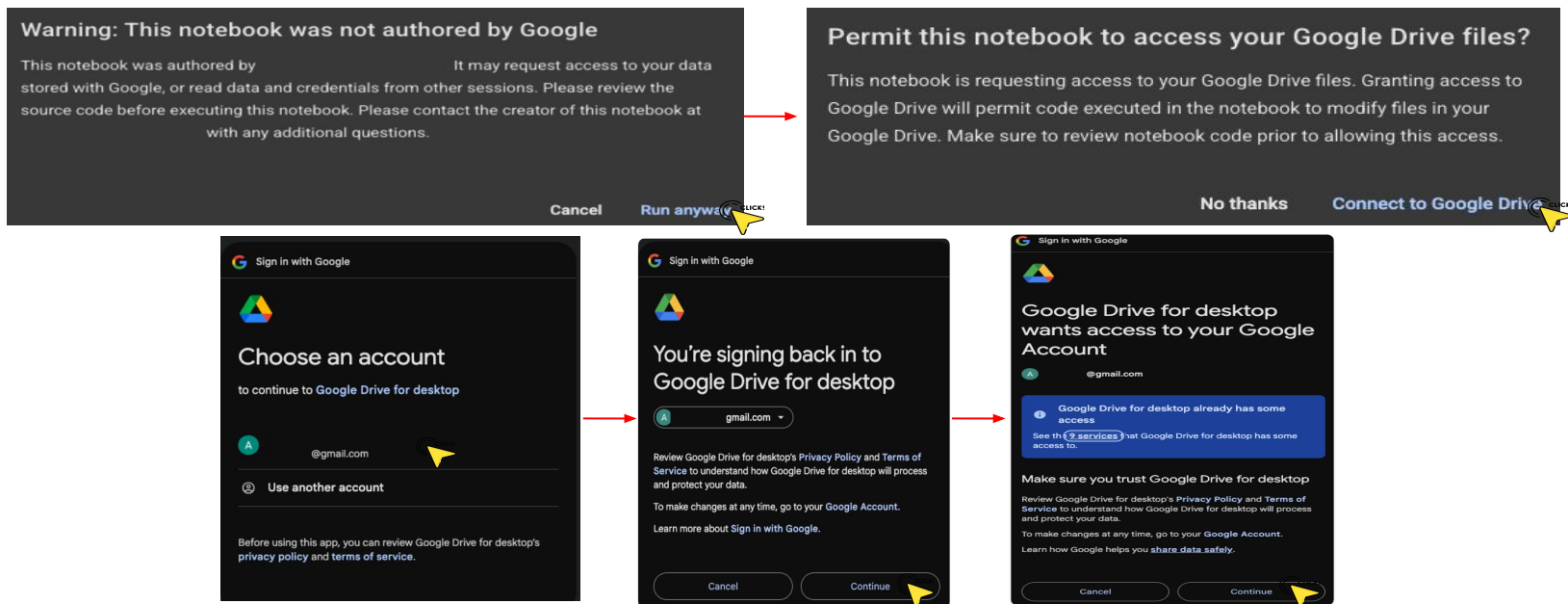
## 7. To run each **Cell** that contains code



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

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force\_remount=True).

If it shows the following warning, then you must give access only once



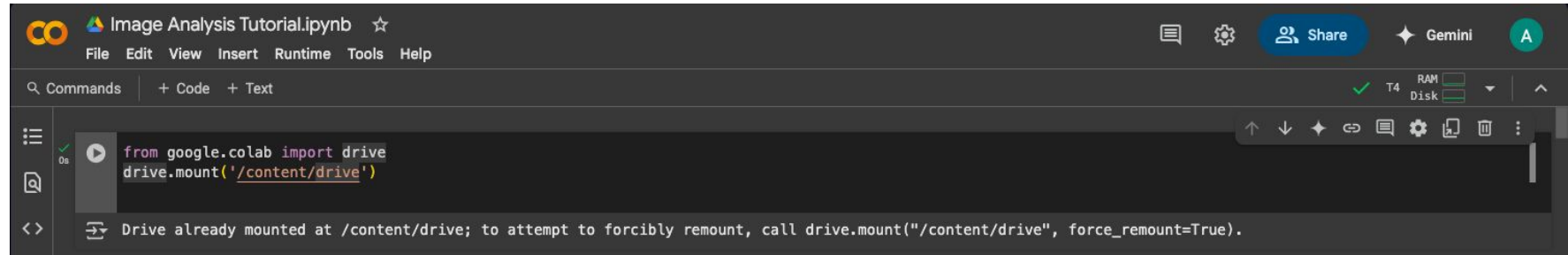
## 7. To run each **Cell** that contains code



The image shows the Google Colab interface for a notebook titled "Image Analysis Tutorial.ipynb". The top menu bar includes "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help". Below the menu, there are tabs for "Commands", "+ Code", and "+ Text". The main area contains a code cell with the following code:

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

A yellow mouse cursor is pointing to the play button icon (a circle with a right-pointing triangle) on the left side of the code cell. Below the code cell, a message indicates that the drive is already mounted at `/content/drive` and provides instructions on how to remount it if necessary.



The image shows the same Google Colab interface, but now the code cell has been executed. A green checkmark is visible next to the play button icon, and a "0s" timer is shown next to the checkmark. The code cell now displays the same code as before:

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

Below the code cell, the same message about the drive being mounted is displayed. A red arrow points from the play button icon in the first image to the green checkmark in this image, indicating the successful execution of the code.

Notice the green check mark; it means the code did run