

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

Mounted at /content/drive

```
import os
import cv2
from google.colab.patches import cv2_imshow as show
import numpy as np
import matplotlib.pyplot as plt
```

```
def rgb2gray(rgb):
    return np.dot(rgb[...,:3], [0.2989, 0.5870, 0.1140])
```

```
pngDir = ('/content/drive/MyDrive/ENEE439D Group Project/Cloud Data /PNGs')
```

```
names = []
for filename in os.listdir(pngDir):
    names.append(filename)
```

```
names.sort(reverse=True)
```

```
print(names[0].split(' ')[1].split('.')[0])
```

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```
for filename in os.listdir('/content/drive/MyDrive'):
    if filename.endswith("tif"):
        img = None
        if (filename.find('Masked') >= 0):
            img = cv2.imread('/content/drive/MyDrive/'+filename)
            img = rgb2gray(img)
        elif (filename.find('RGB') >= 0):
            img = cv2.imread('/content/drive/MyDrive/'+filename)
            img = rgb2gray(img)
        if (img is not None):
            newname = filename.split('.')[0]+' .png'
            os.chdir(pngDir)
            cv2.imwrite(newname, img)
            os.chdir('/content/drive/MyDrive')
            os.remove(filename)
```