

```
import cv2
import numpy as np
from matplotlib import pyplot as plt

from google.colab import drive
drive.mount('/content/drive')
img=cv2.imread("/content/drive/My Drive/water_coins.jpg",0)
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mour

```
laplacian = cv2.Laplacian(img,cv2.CV_64F)
sobelx = cv2.Sobel(img,cv2.CV_64F,1,0,ksize=5)
sobely = cv2.Sobel(img,cv2.CV_64F,0,1,ksize=5)

plt.subplot(2,2,1),plt.imshow(img,cmap = 'gray')
plt.title('Original'), plt.xticks([], plt.yticks([]))
plt.subplot(2,2,2),plt.imshow(laplacian,cmap = 'gray')
plt.title('Laplacian'), plt.xticks([], plt.yticks([]))
plt.subplot(2,2,3),plt.imshow(sobelx,cmap = 'gray')
plt.title('Sobel X'), plt.xticks([], plt.yticks([]))
plt.subplot(2,2,4),plt.imshow(sobely,cmap = 'gray')
plt.title('Sobel Y'), plt.xticks([], plt.yticks([]))

plt.show()
```



