

```
import cv2 as cv
import matplotlib.pyplot as plt

image = cv.imread("cat1.jpg")
img = cv.cvtColor(image, cv.COLOR_BGR2GRAY)
plt.figure(figsize=(20,5))
plt.subplot(1,2,1)
plt.title('input')
plt.imshow(img, cmap='gray')
plt.axis('off')
def image_negative(img):
    negative = 255-img
    return negative
img_neg = image_negative(img)
img_neg
plt.subplot(1,2,2)
plt.title('output')
plt.imshow(img_neg, cmap="gray")
plt.axis("off")
plt.show()
```

input



output

