```
# import Opencv
import cv2

# import Numpy
import numpy as np
import matplotlib.pyplot as plt

# import cv2_imshow from google.colab.patches
from google.colab.patches import cv2_imshow # Import the necessary function

# read a image using imread
img = cv2.imread('/content/exp3.png', 0)

# creating a Histograms Equalization
# of a image using cv2.equalizeHist()
equ = cv2.equalizeHist(img)

# stacking images side-by-side
res = np.hstack((img, equ))

fig,axs = plt.subplots(1,2,figsize=(7,4,))

# show image input vs output
axs[0].imshow(img)
axs[0].set_title('Input')

axs[1].imshow(equ)
axs[1].set_title('Output')

for ax in axs:
  ax.set_xticks([])
  ax.set_yticks([])

plt.tight_layout()
plt.show()

cv2.waitKey(0)
cv2.destroyAllWindows()
```