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```
import numpy as np
import matplotlib.pyplot as plt
import matplotlib.image as mpimg
from PIL import Image

img = Image.open('lowcontrast.jpg')
img
```



**Smothing Filter:** Image smoothing is used to remove noise from the image and to blur the image.

**Sharpening Filter:** Sharpening is used to detect edges of an image.

Low Pass Filter: A low pass filter allows to only those pixel values that are below a specified threshold.

**High Pass Filter:** A high pass filter allows only those pixel values that are higher than a specific threshold.