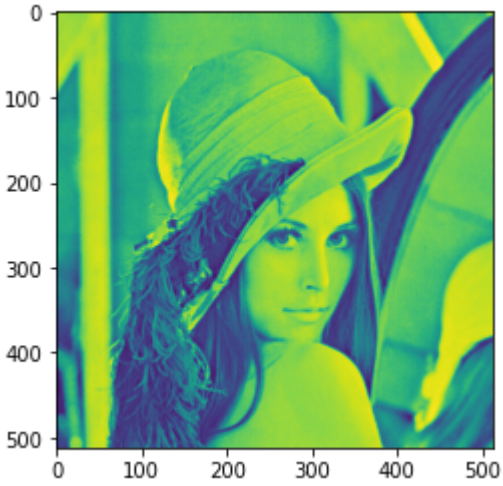
```
import matplotlib.image as img
import matplotlib.pyplot as plt
import numpy as np


from google.colab import drive
drive.mount('/content/drive')
image=img.imread("/content/drive/My Drive/Lenna.png")
image=image[:,:,0]
```

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

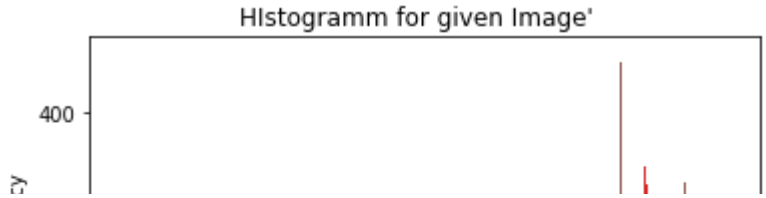
```
plt.imshow(image)
```

```
<matplotlib.image.AxesImage at 0x7f029b20f7b8>
```




```
plt.title("HIstogramm for given Image'  ")
plt.xlabel("Value")
plt.ylabel("pixels Frequency")
#hist function is used to plot the histogram of an image.
plt.hist(image)
```

```
(array([[ 23.,  61.,  47., ...,   3.,  79.,  14.],
        [ 23.,  61.,  47., ...,   3.,  79.,  14.],
        [ 24.,  46.,  55., ...,   3.,  78.,  13.],
        ...,
        [  5.,  33.,  71., ..., 158.,  61.,  67.],
        [  4.,  36.,  67., ..., 149.,  65.,  74.],
        [  4.,  31.,  74., ..., 156.,  59.,  74.]]),
 array([0.21176471, 0.29058823, 0.36941177, 0.4482353 , 0.52705884,
        0.60588235, 0.68470585, 0.7635294 , 0.8423529 , 0.9211765 ,
        1.        ], dtype=float32),
 <a list of 512 Lists of Patches objects>)
```




```
plt.hist(np.histogram(image.flatten(),256,[0,256]))
```

```
/usr/local/lib/python3.6/dist-packages/numpy/core/_asarray.py:83: VisibleDeprecationWarr
  return array(a, dtype, copy=False, order=order)
(array([[255.,   0.,   0.,   0.,   0.,   0.,   0.,   0.,   0.,   1.],
        [257.,   0.,   0.,   0.,   0.,   0.,   0.,   0.,   0.,   0.]]),
 array([     0. ,  26203.2,  52406.4,  78609.6, 104812.8, 131016. ,
        157219.2, 183422.4, 209625.6, 235828.8, 262032. ]),
 <a list of 2 Lists of Patches objects>)
```