Histogram

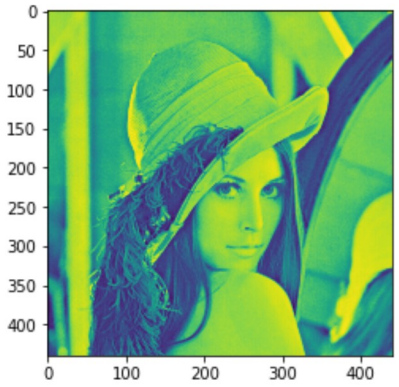
In [3]:
```
import matplotlib.image as img
import matplotlib.pyplot as plt
import numpy as np
```

In [30]:
```
image=img.imread("F:\lenna.png")
```

In [31]:
```
image=image[:,:,0]
```

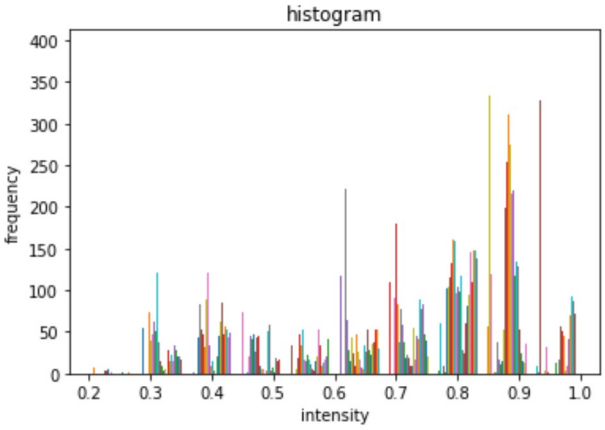
In [32]:
```
plt.imshow(image)
```

Out[32]:
```
<matplotlib.image.AxesImage at 0x1f488c88988>
```



In [33]:
```
plt.hist(image)
plt.title("histogram")
plt.xlabel("intensity")
plt.ylabel("frequency")
```

Out[33]:
```
Text(0, 0.5, 'frequency')
```

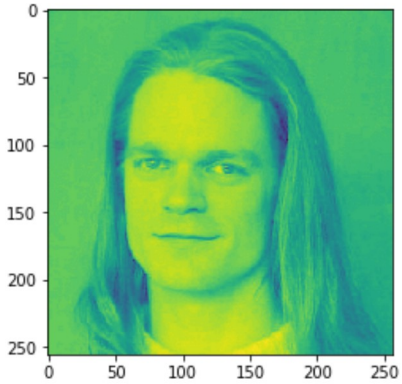


In [39]:
```
Image=img.imread("F:\low.png")
```

In [40]:
```
Image=Image[:,:,0]
```

In [43]:
```
plt.imshow(Image)
```

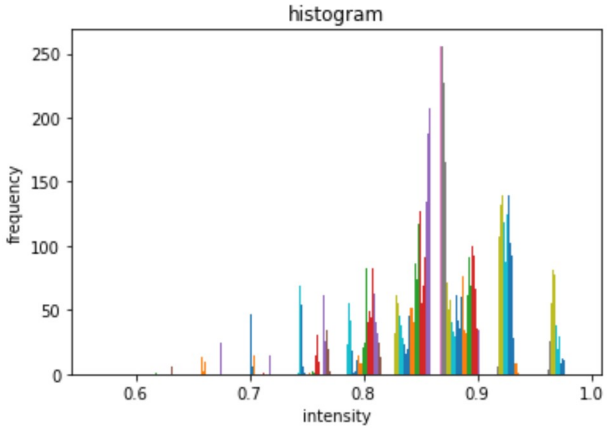
Out[43]:
```
<matplotlib.image.AxesImage at 0x1f4907eee08>
```



Histogram

In [44]:
```
plt.hist(Image)
plt.title("histogram")
plt.xlabel("intensity")
plt.ylabel("frequency")
```

Out[44]:
```
Text(0, 0.5, 'frequency')
```

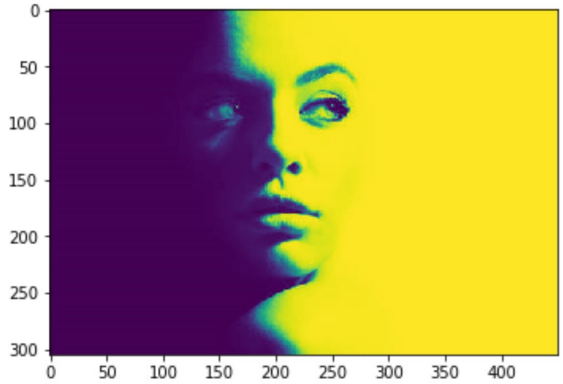


In [45]:
```
Image=img.imread("F:\high.png")
```

In [46]:
```
Image=Image[:,:,0]
```

In [47]:
```
plt.imshow(Image)
```

Out[47]:
```
<matplotlib.image.AxesImage at 0x1f492bcf108>
```



In [48]:
```
plt.hist(Image)
plt.title("histogram")
plt.xlabel("intensity")
plt.ylabel("frequency")
```

Out[48]:
```
Text(0, 0.5, 'frequency')
```