

Report: Assignment - 01

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MTech – AI

Prob – 01: (output)

1. For 'GulmoharMargBright.png'

histogram without lib function...(first 10 values)

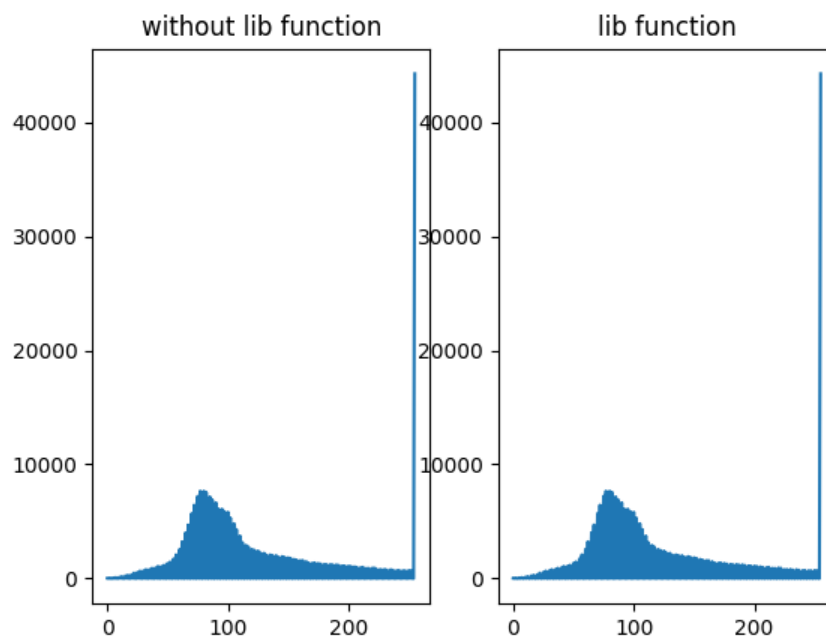
[19. 0. 53. 0. 0. 61. 0. 86. 0. 0.]

histogram without lib function...(first 10 values)

[19 0 53 0 0 61 0 86 0 0]

both are equal...?

True



2. For 'GulmoharMargDark.png'

histogram without lib function...(first 10 values)

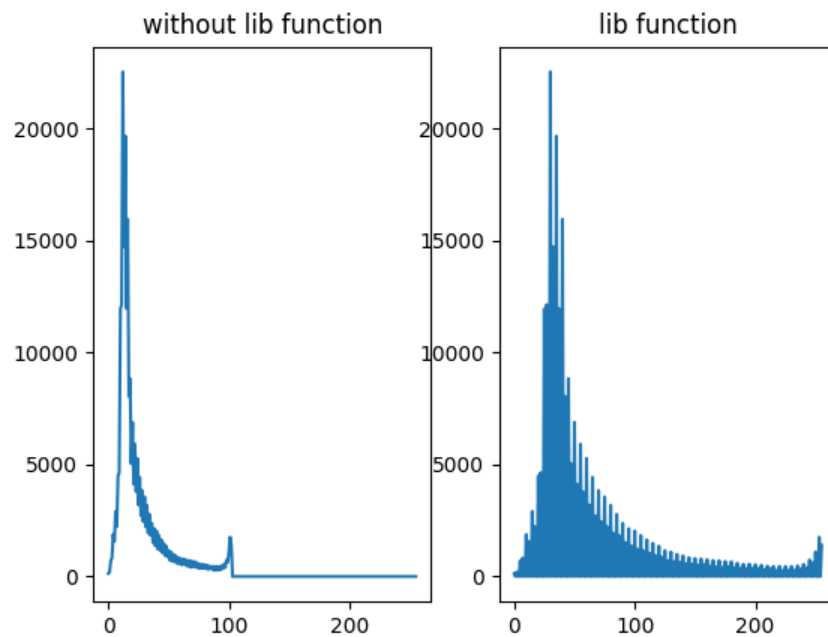
```
[133. 198. 701. 825. 1873. 1569. 2905. 2227. 4490. 4637.]
```

histogram without lib function...(first 10 values)

```
[133 0 198 0 0 701 0 825 0 0]
```

both are equal...?

True



3. For 'GulmoharMarg.png'

histogram without lib function...(first 10 values)

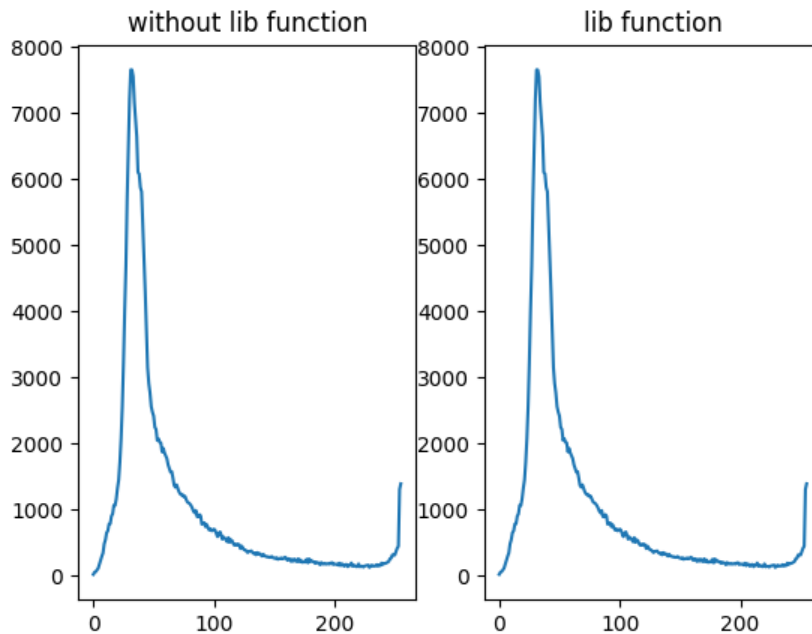
[19. 53. 61. 86. 112. 174. 234. 293. 344. 481.]

histogram without lib function...(first 10 values)

[19 53 61 86 112 174 234 293 344 481]

both are equal...?

True



Note: In the dark image, no. of I with lower intensity are more so the histogram is high at starting, and for the bright mage no. of pixel with high intensity is more so in the histogram the last end is high.

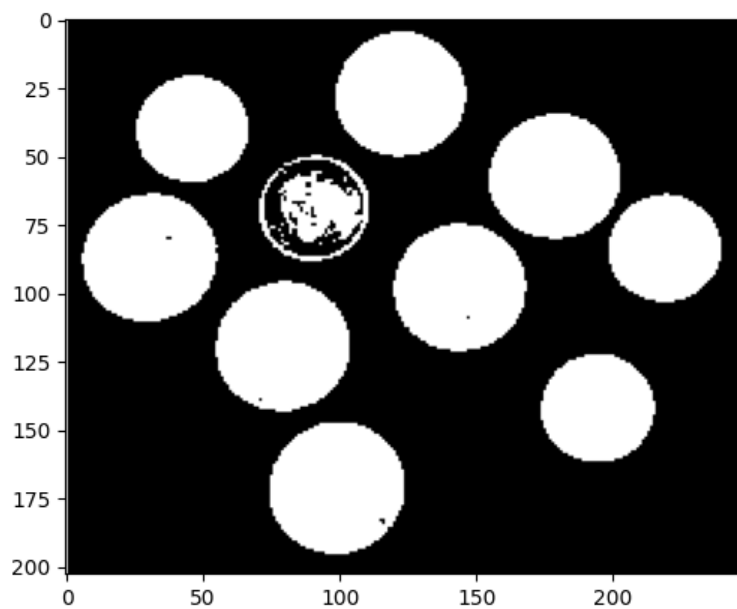
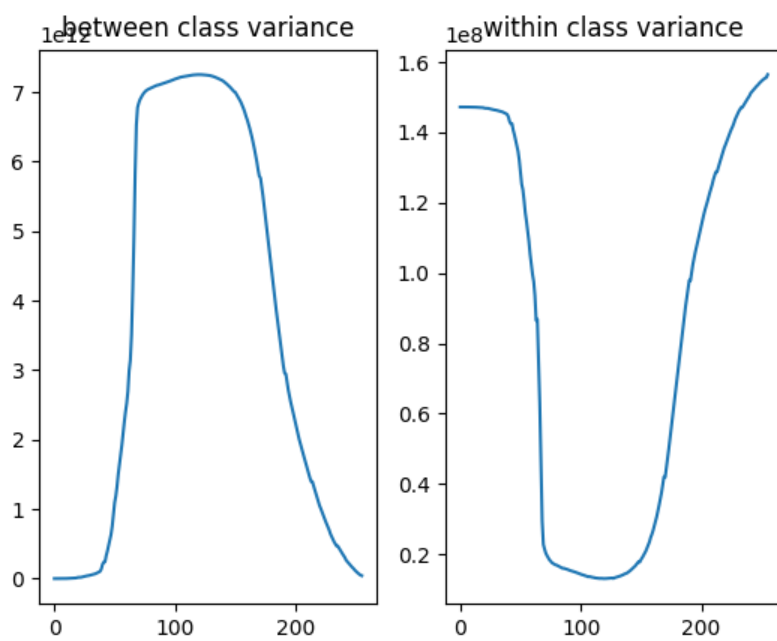
Prob – 02: (output)

threshold by between class: 125.375

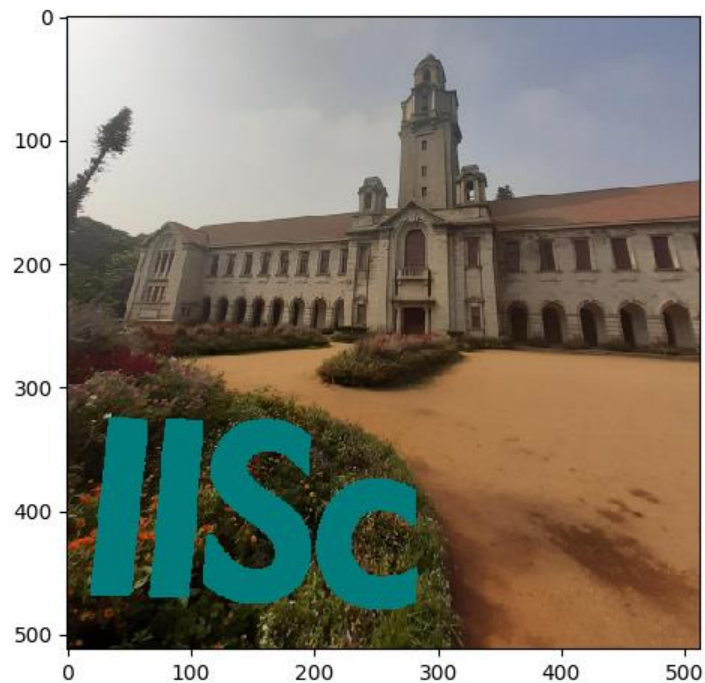
threshold by within class: 125.375

both are equal...?

True



Prob – 03: (output)



Prob – 04: (output)

no of elements: 29

no of circles: 19

Note: for no. Of circles, I use the fact that freq of label is low compared to other components (size), like connected pixels (label) are high in other components.

Prob – 05: (output)

Not working...