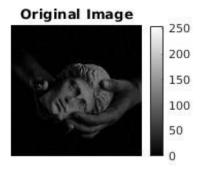
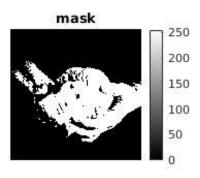
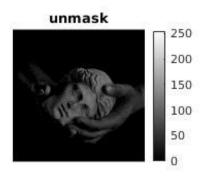
a)

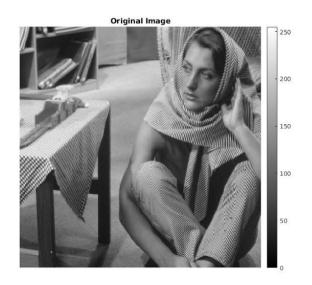


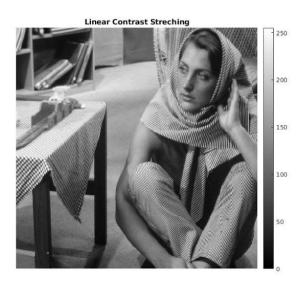


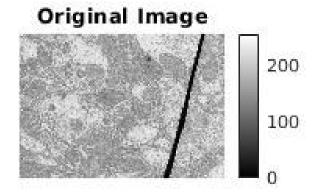


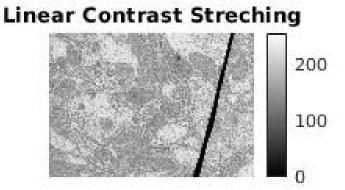
b)

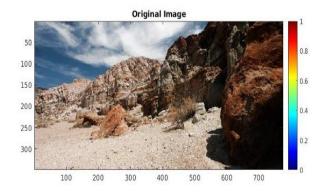
Formula:- I_{new} (new intensity) = 255*(I_{old} - c)/(d - c) Where c,d = lowest and highest pixel values



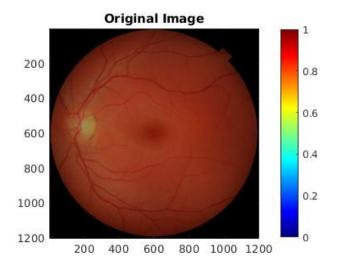


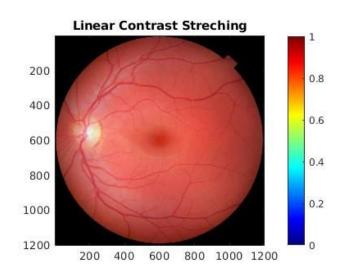


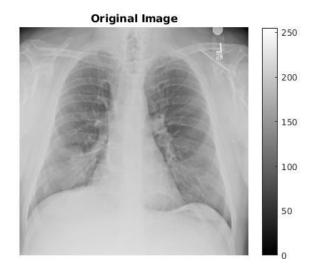


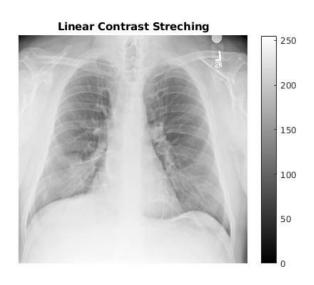


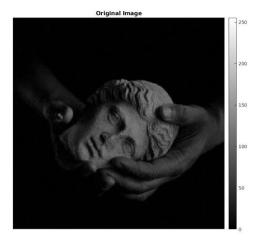










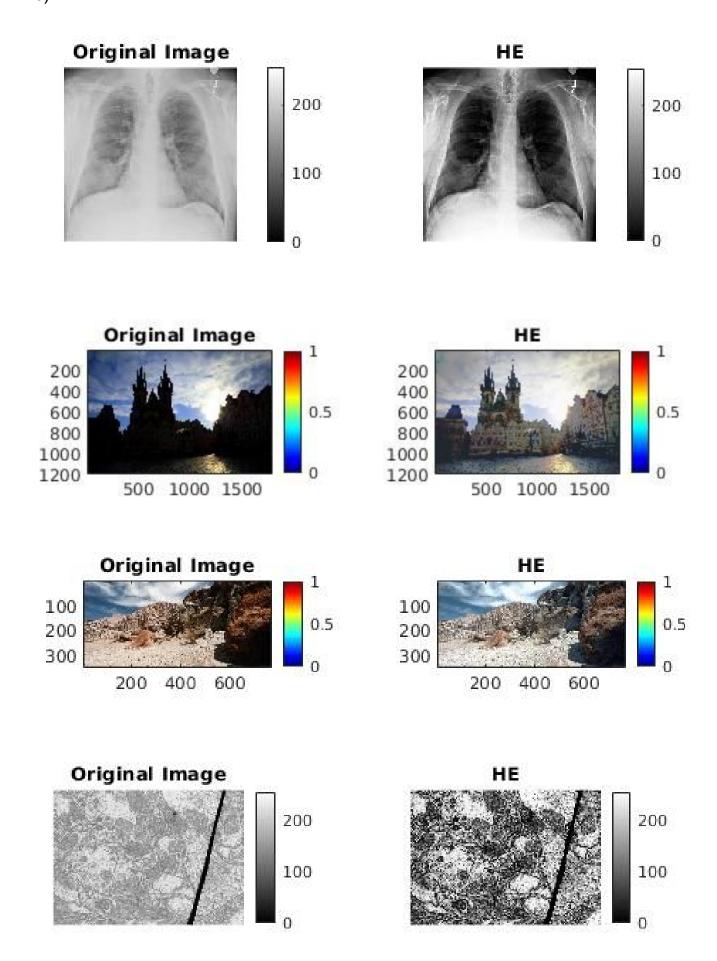


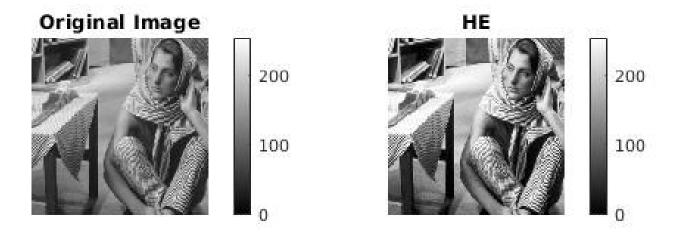




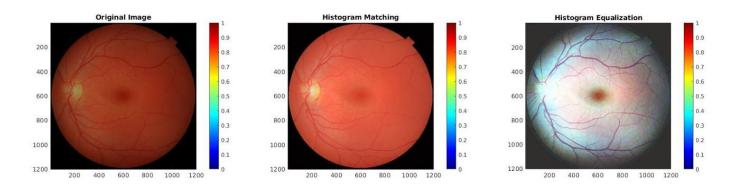


The intensity distribution in 5 is from 0 to 255. Hence the output will not change after contrast stretching.





d)



The histogram matched image seems to have closer resemblance with original image. Histogram Equalized image although has a good contrast but lacks the true colours of the original image.

