BLG 453E Computer Vision Homework I

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GitHub repository of this homework is given in:
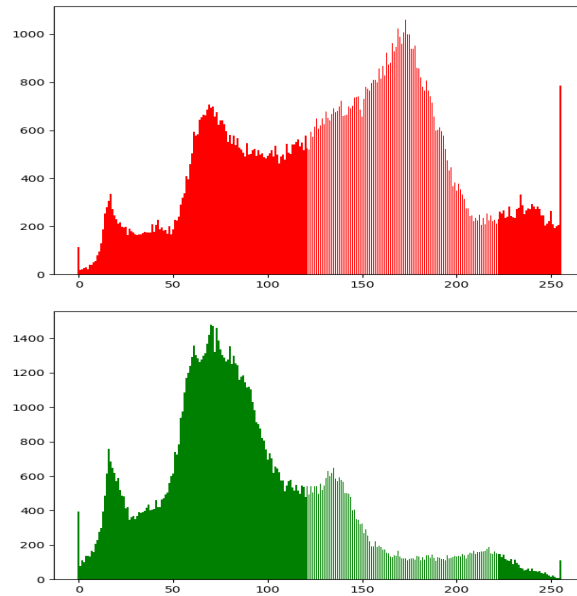https://github.com/gamzeakyol/CV-HW1
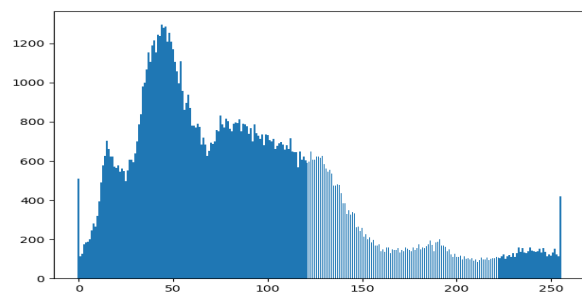
Histogram Matching

histogram.py file:
Example input image is given below:

Histograms of 3 channels (red, green, blue) of the example image are given below as output
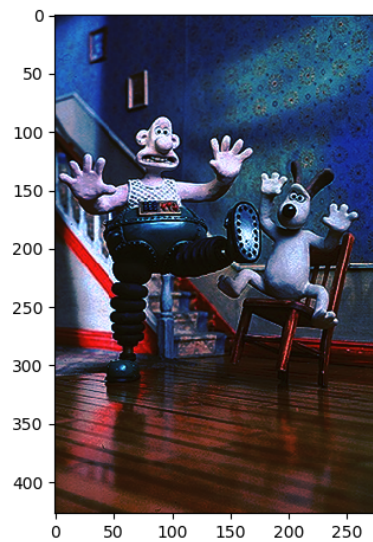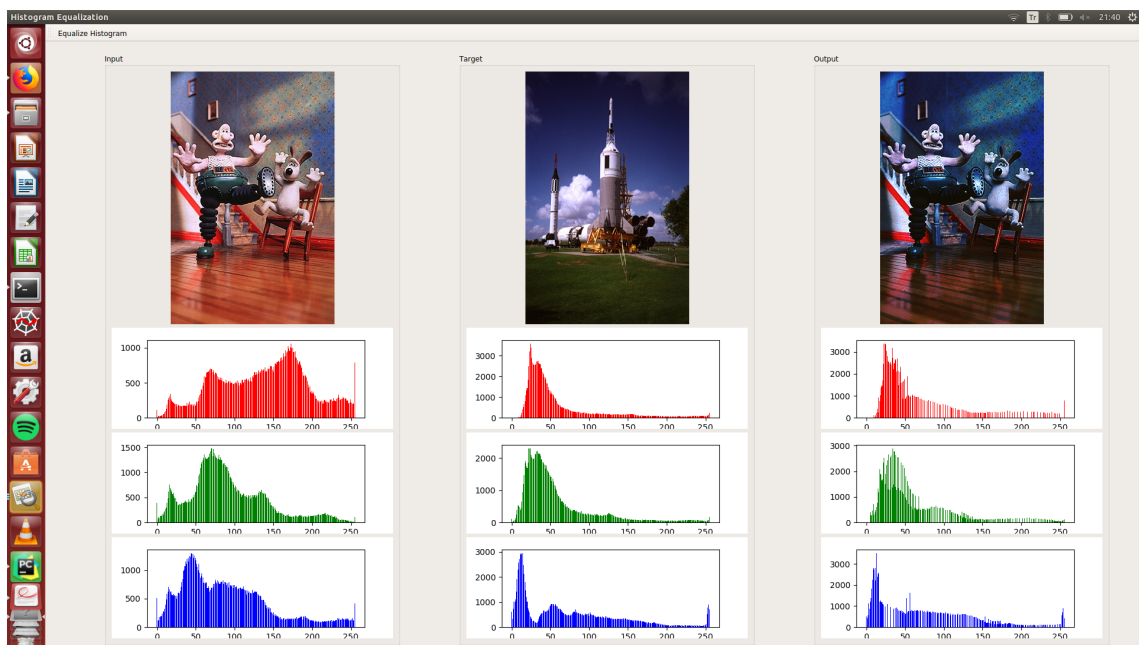of def histogram(I) method:

The target image is given below:

The output of the histogram matching operation with target image is given below:

gui.py file:
A snapshot from the output of the gui.py file is given below:

Another snapshot with different input and target images from the output of the gui.py file is given below: