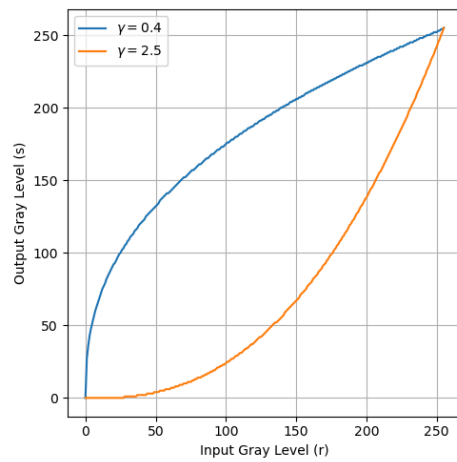


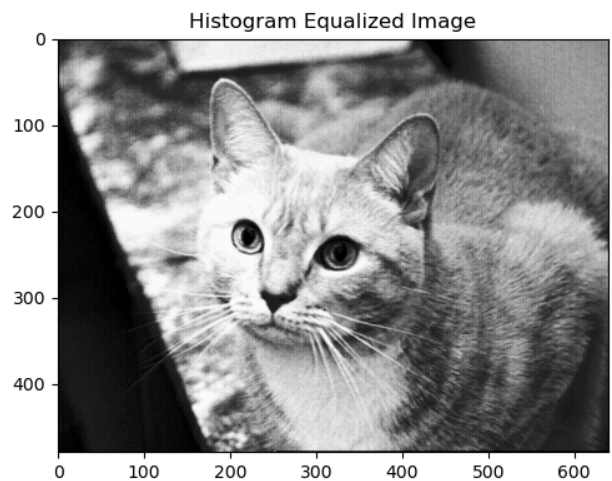
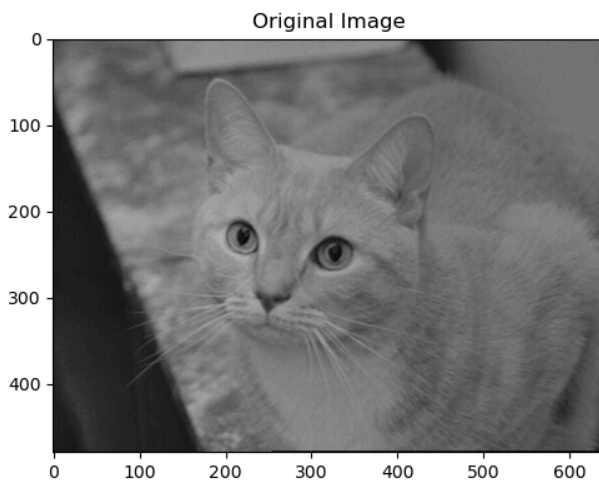
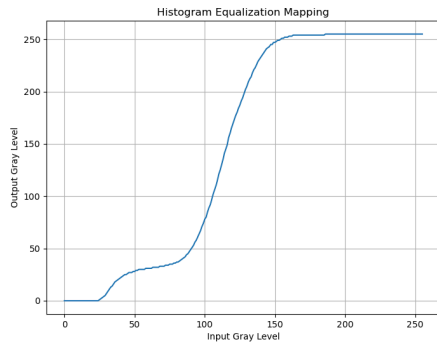
## Computer Problems 1.



### Description

- Image with gamma = 0.4: This transformation with a gamma value 1 stretches the intensity values in the darker regions of the original image and compresses the values in the brighter regions. As a result, the transformed image appeared brighter overall, with increased contrast in the darker areas, making details in those regions more visible.
- Image with gamma = 2.5: This transformation compresses the intensity values in the darker regions and stretches the values in the brighter regions. Therefore, the transformed image appeared darker overall, with reduced contrast in the darker areas and increased contrast in the brighter areas. Details in the brighter regions will be enhanced, while darker areas might lose some visibility.

## Computer Problems 2.



### Description

- Histogram equalized image exhibits increased global contrast compared to the original image. This is because histogram equalization aims to redistribute the pixel intensities so that they are more evenly distributed across the entire range of gray levels.
- Regions that were previously very dark might become brighter, and regions that were very bright might become darker, leading to the enhancement of details that were not clearly visible in the original image. This can be used for making it easier to distinguish different features and textures.