COMSATS University Islamabad, Abbottabad Campus

Assignment no 2

Course: Digital Image Processing (CSC331)   **Class:** BSSE (6th A, 6th B, 6th C)

Instructor: Dr. Mubashir Ahmad   **Start date:** 16/04/2023

Submission date: 20/04/2023

Q no 1.

A. Please calculate the histogram equalization of the following 7 * 10 grayscale image with a graphical representation. Please follow all the steps.

0	6	5	4	6	6	0
2	5	4	2	2	2	3
2	2	2	2	3	5	5
0	4	3	5	4	4	0
4	5	4	2	2	2	3
4	3	4	5	6	6	6
0	4	5	5	3	4	0
0	4	5	4	5	5	0
0	5	4	2	2	2	3
3	3	3	3	4	5	5

B. Implement the histogram equalization in MATLAB. Please write a code and generate the results of the above metrics.