image = imread('unaisah.jpg');

image = im2double(image);

c = 1;

log\_transformed = c \* log(1 + image);

gamma = 2.0;

gamma\_corrected = log\_transformed .^ gamma;

figure;

subplot(1, 3, 1);

imshow(image);

title('Original Image');

subplot(1, 3, 2);

imshow(log\_transformed);

title('Logarithmic Transformation');

subplot(1, 3, 3);

imshow(gamma\_corrected);

title(['Gamma Correction (\gamma = ', num2str(gamma), ')'])