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```
clc;
close all;
clear all;

I=imread('leg1.gif');

figure;
subplot(1,3,1);
imshow(I);
title('Original Image');

I=im2single(I);

subplot(1,3,2);
imshow(gamma_correction(1,I,2));
title('Exponential Function');

subplot(1,3,3);
imshow(gamma_correction(1,I,0.5));
title('Logarithmic Function');
```

