a = imread("cameraman.tif");

subplot(2,2,1);

imshow(a);

title("Cameraman")

subplot(2,2,2);

imhist(a);

title("Histogram with function")

subplot(2,2,3);

b=a;

arr = zeros(1, 256);

for i = 1:256

for j = 1:256

pix=b(i,j);

arr(pix+ 1) =arr(pix + 1) + 1;

end

end

plot(1:256, arr);

title('Manually Computed Histogram');

