clc;

clear all;

close all;

I = imread('cameraman.tif');

[m,n] = size(I);

for x=1:1:m

for y=1:1:n

if(I(x,y)>128)

J(x,y)=1;

else

J(x,y)=0;

end

end

end

subplot(2,2,1)

imshow(I)

title('original image')

subplot(2,2,2)

imshow(J)

title('Local thresholding image AGU')