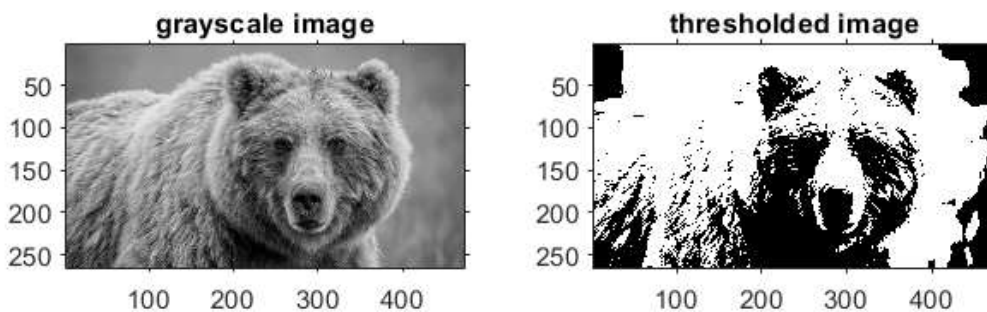


thresholding an image using inbuilt and own code

```
a = imread('C:\Users\ASWATH\Desktop\github\bear1.jpg');
im = rgb2gray(a);

levels = graythresh(im);
a = im2bw(im, levels);
subplot(1,2,1),imshow(im), axis on, title('grayscale image');
subplot(1,2,2),imshow(a), axis on, title('thresholded image');
```



```
figure();
```

thresholding using own code

```
%thresholding here is done using the own code for a different image
b = imread('C:\Users\ASWATH\Desktop\github\bear1.jpg');
im1 = rgb2gray(b);
doub = im2double(im1);
[row col] = size(doub);
for i = 1:1:row
    for j = 1:1:col
        if (b(i,j)>25) && (b(i,j)<100)
            doub(i,j) = 255;
        else
```

```

        doub(i,j) = 0;
    end
end
end
subplot(2,2,1),imshow(im1), axis on, title('grayscale image');
subplot(2,2,2),imshow(doub), axis on, title('thresholded image');
subplot(2,2,3),imhist(im1), axis on, title('grayscale image');
subplot(2,2,4),imhist(doub), axis on, title('thresholded image');

```

