Image Processing Using Matlab

Commands:

```
img1=imread('D:\4th sem\mms lab\image processing\plane.jpg')
size(img1) imshow(img1);
%Retrieve the Red, Green and Blue Component
rc=img1(:,:,1); imshow(rc); gc=img1(:,:,2);
imshow(gc); bc=img1(:,:,3); imshow(bc);
%Converting RGB image to Gray image
img2=rgb2gray(img1); imshow(img2);
%Finding the threshold level of Gray image
Level=graythresh(img2) %Converting
image to digital image
img3=im2bw(img2,Level);
imshow(img3);
%Detecting edge of an image
e=edge(img3); array=[];
fori = 1:1:265 for
j=1:1:661 if (e(i,j)==1)
array2=[i,j]
array=vertcat(array,array2)
end end imshow(e); hold on
s=size(array); fori =
1:1:s(1)
plot(array(i,2), array (i,1),'*g','linewidth',5); pause(0.1);
```

Initial image:

Final image: