

### Code :

```
I=rgb2gray(imread("Cat\100.jpg"));
I1=multithresh(I);
seg_I = imquantize(I,I1);
figure
subplot(2,2,1);
imshow(seg_I,[]);title("multi thresh");
I2=adaptthresh(I);
subplot(2,2,2);
imshow(I2);title("adapt thresh");
I3=graythresh(I);
ibin=imbinarize(I,I3);
subplot(2,2,3);
imshow(ibin);title("gray thresh");
figure
[counts,x]=imhist(I,20);
stem(x,counts);
T = otsuthresh(counts);
otsu=imbinarize(I,T);
figure
imshow(otsu);title("otsu thresh")
```

op:

