clc;

close all

clear all;

x= imread('C:\Users\Public\Pictures\Sample Pictures\K.jpg');

figure

subplot(2,2,1);

imshow(x);title('Original Image');

gray=rgb2gray(x);

subplot(2,2,2);

imshow(gray);title('Gray Image');

bw=im2bw(gray);

subplot(2,2,3);

imshow(bw);title('Black & White Image');

[r,c,p]=size(x);

red=x( :, :,1);

green=x( :, :,2);

blue=x( :, :,3);

d=zeros(r,c);

rcomp= cat(3,red,d,d);

gcomp= cat(3,d,green,d);

bcomp= cat(3,d,d,blue);

for q=1:r

for y=1:c

if 1<=gray(q,y)&& gray(q,y)<=100

r1(q,y)=0;

g(q,y)=0;

bl(q,y)=0;

else if 101<=gray(q,y)&& gray(q,y)<=200

r1(q,y)=255;

g(q,y)=0;

bl(q,y)=128;

else if 200<=gray(q,y)&& gray(q,y)<=255

r1(q,y)=255;

g(q,y)=255;

bl(q,y)= 0;

end

end

end

end

end

final=cat(3,r1,g,bl);

figure

subplot(2,2,1);

imshow(rcomp);title('Red Component');

subplot(2,2,2)

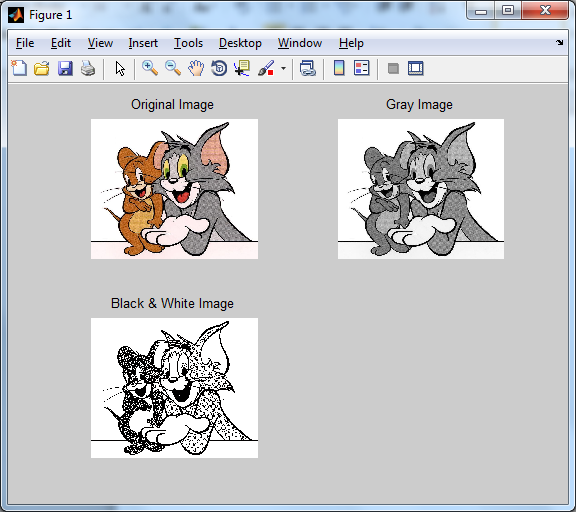
imshow(gcomp);title('Green Component');

subplot(2,2,3)

imshow(bcomp);title('Blue Component');

subplot(2,2,4);

imshow(final);title('Pseudo Colored');

****

