%Name: Sonu Sharma, EXTC\_BE, Batch: B2B, Roll No:729

A=imread('toysnoflash.png');

subplot(4,4,1);

imshow(A);

title('original image');

B=imcomplement(A);

subplot(4,4,2);

imshow(B);

title('negative image');

subplot(4,4,3);

E=(rgb2gray(A));

imshow(E);

title('gray scaled image');

subplot(4,4,4);

imshow(imadjust(E));

title('adjusted gray scale image');

C=(imresize(A,5.0));

subplot(4,4,5);

imshow(C);

title('resized image');

subplot(4,4,5);

imshow(im2bw(A));

title('BW image')

D=imrotate(A,60);

subplot(4,4,6)

imshow(D);

title('rotated image');

subplot(4,4,7);

imhist(E);

title('histogram of image');

subplot(4,4,8);

F=(im2single(A));

imshow(F);

title('single precesion image');

subplot(4,4,9)

imshow(im2double(A));

title('double precesion image');

subplot(4,4,10);

D=imnoise(A,'gaussian');

imshow(D);

title('Gaussian noise image');

subplot(4,4,11);

D=imnoise(A,'poisson');

imshow(D);

title('Poisson noise image');

subplot(4,4,12);

imshow(imcrop(A,[60 90 100 40]));

title('Crop')

subplot(4,4,13);

imshow(imadd(A,22))

title('Add')

subplot(4,4,14);

imshow(imsubtract(A,50))

title('Subtract')

subplot(4,4,15);

imshow(immultiply(A,1.5));

title('Multiply')

subplot(4,4,16);

imshow(imdivide(A,2))

title('Divide')