**\*Image Addition:-**

clc,close,clear all;

im1=imread('14.bmp');

subplot(311);imshow(im1);title('Image 1');

subplot(312);

im2=imread('bird.bmp');imshow(im2);title('Image 2');

[m1,n1]=size(im1);

[m2,n2]=size(im2);

for i=1:m1

for j=1:n1

out(i,j)=im1(i,j)+im2(i,j);%Image Addition

end;

end;

subplot(3,1,3);

imshow(out);

title('Added Image');

**\*Image ORing:-**

clc,close,clear all;

subplot(2,3,1)

a=imread('cameraman.tif');imshow(a);title('image a');

subplot(2,3,2)

b=imread('rice.png');imshow(b);title('image b');

[m,n]=size(a);

c=zeros(m,n);

for i=100:199

for j=100:199

c(i,j)=255;%Mask defination

end;

end;

subplot(2,3,3);c=uint8(c);imshow(c);title('image c');

subplot(2,3,4);AB=bitor(a,b);imshow(AB);title('a or b');

subplot(2,3,5);BC=bitor(b,c);imshow(BC);title('b or c')

subplot(2,3,6);AC=bitor(a,c);imshow(AC);title('a or c');

**\*Image ANDing:-**

clc,close.clear all;

subplot(2,3,1);a=imread('cameraman.tif');imshow(a);title('image a');

subplot(2,3,2);b=imread('rice.png');imshow(b);title('image b');

[m,n]=size(a);

c=zeros(m,n);

for i=100:199

for j=100:199

c(i,j)=255;%Mask defination

end;

end;

subplot(2,3,3);c=uint8(c);imshow(c);title('image c');

subplot(2,3,4);AB=bitand(a,b);imshow(AB);title('a and b');

subplot(2,3,5);BC=bitand(b,c);imshow(BC);title('b and c');

subplot(2,3,6);AC=bitand(a,c);imshow(AC);title('a and c');