**Code b**

clc;

close all;

clear all;

a=imread('cameraman.tif');

d=0.05;

b=imnoise(a,'salt & pepper',d);

[m n]=size (b);

e=zeros(m,n);

for i=2:m-1

for j=2:n-1

e(i,j)=median(median(b(i-1:i+1,j-1:j+1)));

end

end

subplot(2,2,1);

imshow(a);

title('Original Image');

subplot(2,2,2);

imshow(b);

title('Image with salt and pepper noise');

subplot(2,2,3);

imshow(uint8(e));

title('Low pass median filtered image');