%filtering

I = imread('flowers.jpg');

h = ones(5,5) / 25;

I2 = imfilter(I,h);

imshow(I), title('Original Image');

figure, imshow(I2), title('Filtered Image')

%Read in the image

I = imread('flowers.jpg');

%Add noise to it.

J = imnoise(I,'salt & pepper',0.02);

figure, imshow(J)

K = filter2(fspecial('average',3),J)/255;

%Now use a median filter to filter the noisy image and display the results. Notice that

%medfilt2 does a better job of removing noise, with less blurring of edges.

L = medfilt2(J,[3 3]);

figure, imshow(K)

figure, imshow(L)