>> x = imread('Lenna.png');

>> x = double(rgb2gray(x))/255;

>> N = 25; h = ones(N,N);

>> imshow(x)

>> y = conv2(x,h); imshow(y)

>> N = 25; h = ones(N,N)/N^2;

>> y = conv2(x,h); imshow(y)

>> y = xcorr2(x,h); imshow(y)

>> y = conv2(x,h); imshow(y)

>>