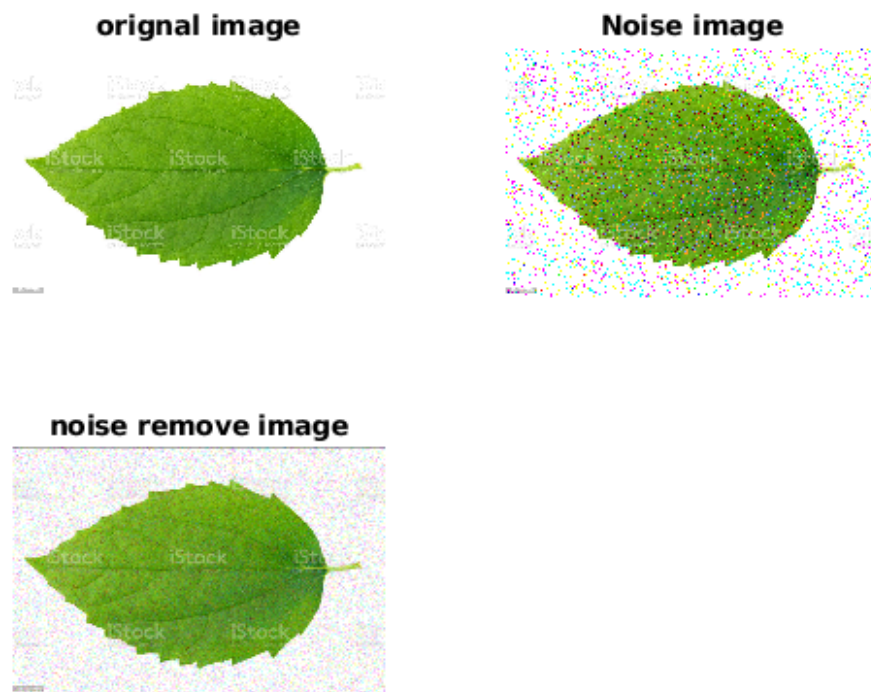# Add and remove noise

```matlab
i=imread('leaf.jpg');
%add noising
N=imnoise(i,'salt & pepper',0.08);
imshow(N);
%remove noising
%use mean filter

mf=ones(3, 3)/9;    %like conv kernel
n_remove=imfilter(N,mf);

subplot(2,2,1),imshow(i),title('orignal image');
subplot(2,2,2),imshow(N),title('Noise image');
subplot(2,2,3),imshow(n_remove),title('noise remove image');
```


orignal image

Noise image

noise remove image

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