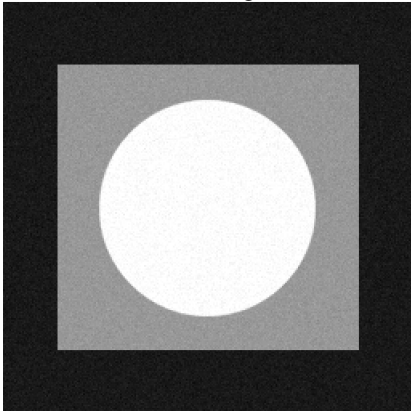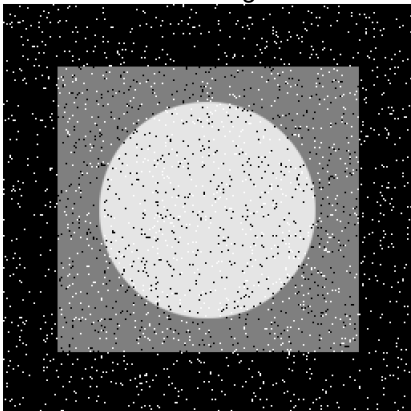```
load Q2\init_img.mat
a=init_img;
b=imnoise(a,'gaussian',25/255,25/255/255);
c=imnoise(a,'salt & pepper',0.05);
imshow(b);title("NoiseImage1");
```
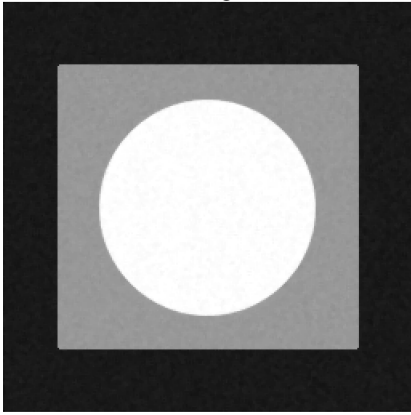
NoiseImage1



```
imshow(c);title("NoiseImage2");
```
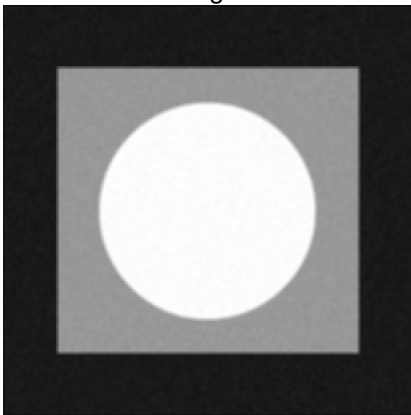
NoiseImage2



```
median_gauss=medfilt2(b);
median_saltpaper=medfilt2(c);
x=fspecial('average');
mean_gauss=imfilter(b,x);
mean_saltpaper=imfilter(c,x);
imshow(median_gauss);title("median gauss");
```
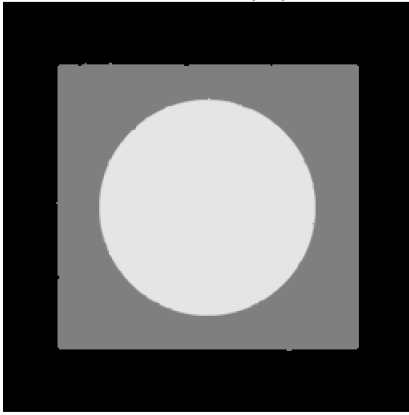
## median gauss



```
imshow(mean_gauss);title("mean gauss");
```

mean gauss


```
imshow(median_saltpaper);title("median salt&paper");
```

median salt&paper

```
imshow(mean_saltpaper);title("mean salt&paper");
```


mean salt&paper