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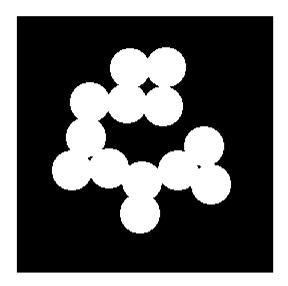
1.Grayscale images 灰階影像

```
w=imread('wombats.tif');
imshow(w)
```



2.Binary image 二元影像

```
b=imread('circles.tif');
imshow(b)
```



RGB (true color) images 全彩影像

```
lily=imread('lily.tif');
imshow(lily)
```



ans = uint8

lily(100,200,1:3)

```
ans = 1×1×3 uint8 array
ans(:,:,1) =
    206

ans(:,:,2) =
    179

ans(:,:,3) =
    194
```

lily(100,200,:)

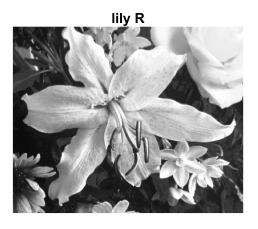
```
ans = 1×1×3 uint8 array
ans(:,:,1) =
    206

ans(:,:,2) =
    179

ans(:,:,3) =
    194
```

Lab#1

title('lily R')



R=lily(:,:,1);
imshow(R)



title('lily G')



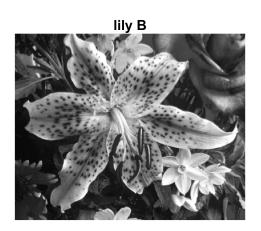
g=lily(:,:,2)

g = 186×230 uint8 matrix 33 · · ·

imshow(g)



title('lily B')



B=lily(:,:,3)

 $B = 186 \times 230$ uint8 matrix 43 • • •

imshow(B)



```
c=imread('emu.tif');
imshow(c)
```



```
[w,wmap]=imread('emu.tif');
```



Lab#2

imshow("pout.tif")



```
p=imread('pout.tif')
p = 291 \times 240 uint8 matrix
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%imhist(p)
pd=double(p)
pd = 291 \times 240
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imshow(pd,[])
```

