

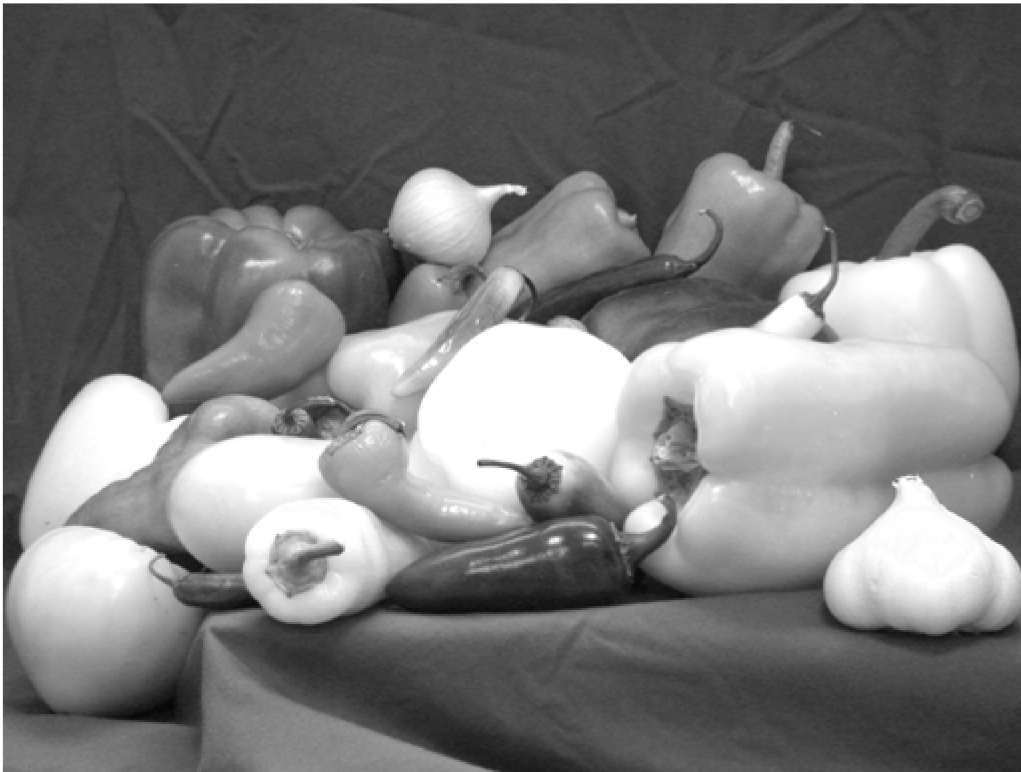
Deep Learning exercise

1. Put the pepper image into a matlab variable using `colimag = imread('peppers.png');` Extract the "red" layer
`bwimag = colimag(:, :, 1);`

```
colimag = imread('peppers.png');  
imshow(colimag);
```



```
bwimag = colimag(:, :, 1);  
imshow(bwimag);
```



2. Design filters to apply to the image, as in the following:

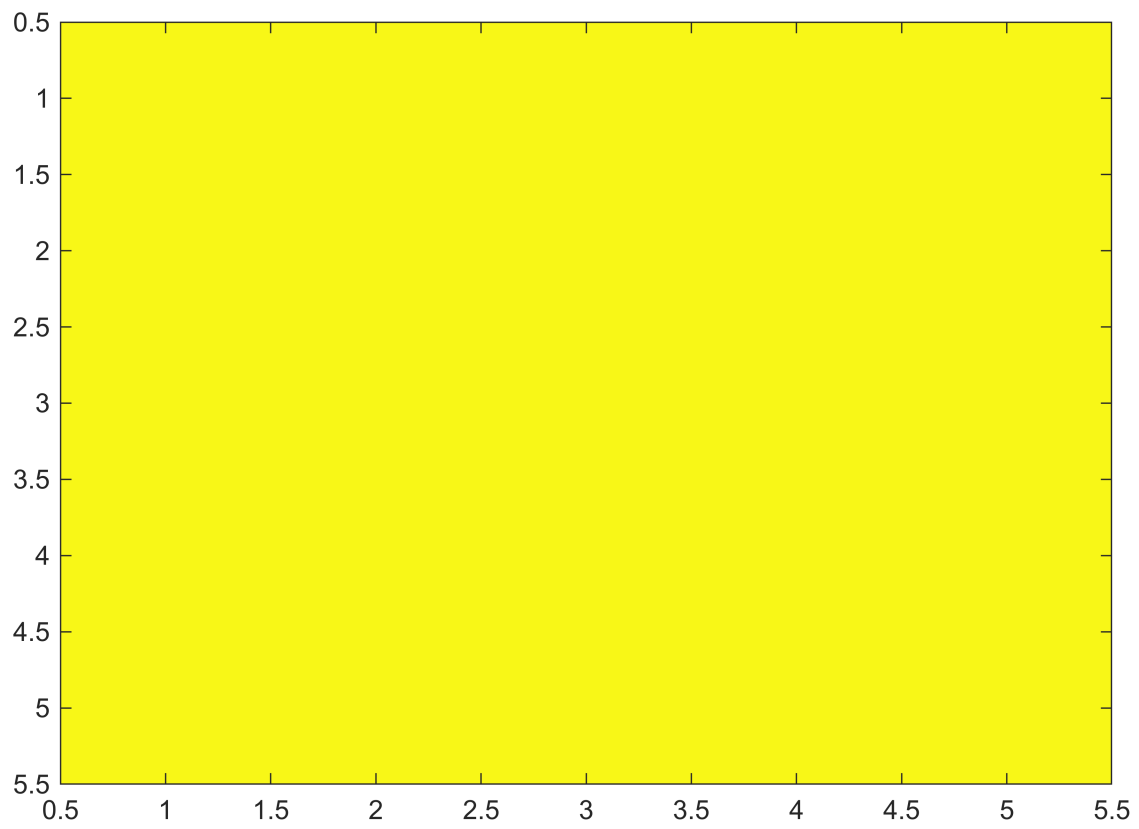
```
k25=ones(5)/25;
```

```
filimag=conv2d(k25,bwimag,'same') ;
```

```
image(filimag).
```

Show your results.

```
k25=ones(5)/25;  
filimag=conv2(k25,bwimag, 'same') ;  
image(filimag)
```



```
image(conv2(bwimag,k25,'same'))
```

