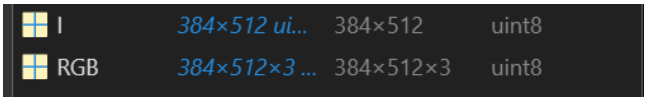
Notes and Outputs - Lab 2

```
imfinfo('imageName.png')
```


```
RGB = imread('imageName.png');
imshow(RGB)
```

```
I = rgb2gray(RGB);
figure                % start a new figure window 'figure 2'
imshow(I)
```



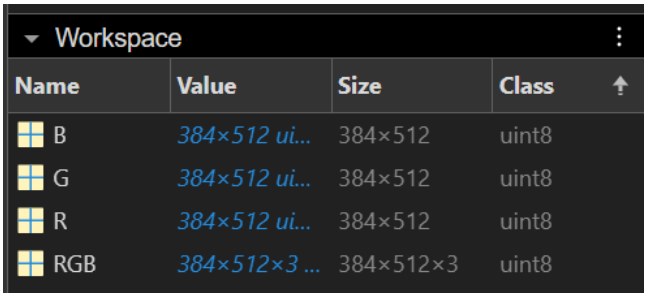
```
imshowpair(RGB, I, 'montage')
```

```
title('Original colour image (left) grayscale image (right)'); % title
```

Channel Splitting - RGB

```
[R,G,B] = imsplit(RGB);
```

Output:




```
montage({R, G, B},'Size',[1 3])
```

Output:

RGB to HSV Channels

```
HSV = rgb2hsv(RGB);
[H,S,V] = imsplit(HSV);
```

Output - created objects same structure as imread and imsplit(RGB)

```
montage({H,S,V}, 'Size', [1 3])
```

RGB to XYZ Channels

```
XYZ = rgb2xyz(RGB);
[X,Y,Z] = imsplit(XYZ);
```

Output - created objects same structure as imread and imsplit(RGB)

```
montage({X,Y,Z}, 'Size', [1 3])
```