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Pixel Grouping

Group a certain pixel from a image.

Read image from the link

```
im = imread('F:\Matlab\Matlab Works\Pixel Grouping\images.jpg');
```

Show the orginal image

```
subplot(2,2,1);  
imshow(im), title('Orginal');
```



_Select pixel from green channel with the condition that value is lowar than 60.

```
green = im(:,:,2) <=60;
```

create a 2-D arrays of zeros for the other channels of rgb image

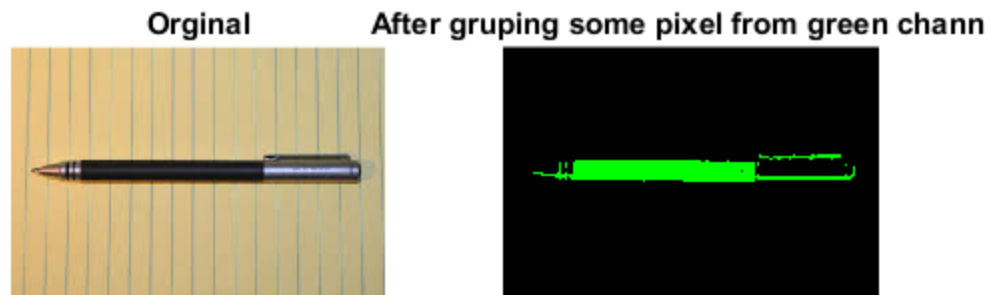
```
a = zeros(size(im, 1), size(im, 2));
```

Create a image with the specified pixel of green channel.

```
just_green = cat(3, a, green, a);
```

Show the image

```
subplot(2,2,2);  
imshow(just_green), title('After gruping some pixel from green  
channel');
```



Importance :

We can use this this program to group some specific pixels for farther processing. We can use any condition for specifing pixels. pixel grouping mainly needed for detecting a object that match to the specific pixels.

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