

DIP Homework 2 Running Example

```
%Load image%  
I = imread("Kaguya-Sama.png");  
imshow(I)
```



```
%Image from RGB to grayscale%  
I = rgb2gray(I);  
imshow(I)
```



```
%Low-pass Gaussian filter%  
sigma = 10;  
filter_size = 19;  
R = gaussfilt(I, filter_size, sigma);  
imshow(R)
```



```
%Sobel filter%  
R = sobelfilt(I);  
imshow(R)
```

