
Question 2

MATLAB script that reads an image, performs brightness correction using the `brightnessFunction`, and displays a windows with the image and its histogram, before and after the brightness

```
close all; clear; clc;
I = imread('us_3403.pgm');

brightInput = input('Enter the letter b to brighten or d to darken):
', 's');
if (brightInput == 'b')
    brt = 1;
elseif (brightInput == 'd');
    brt = -1;
end;

amount = input('Enter a number from 0 to 100 for the amount of
brightness correction: ');
J = brightnessFunction(I, amount, brt);

subplot(2,2,1), imshow(I)
subplot(2,2,2), imhist(I)
subplot(2,2,3), imshow(J)
subplot(2,2,4), imhist(J)
```

*Error using input
Cannot call INPUT from EVALC.*

*Error in Script2_HW2 (line 8)
brightInput = input('Enter the letter b to brighten or d to darken):
' , 's');*

Published with MATLAB® R2015b