Image comparison

The python program loads a folder of images using **listdir.**

It reads the images and extract its color pixel using **io.imread** and **img.shape** respectively.

The color pixels are stored in an array.

A new image file is passed to the program at command line.

The argument parser enables the program to access the given file.

The given image file is read, and its color-pixel is extracted.

The color-pixels of the new image is compared to the color-pixels contained in the array.

When the same color pixel is matches, the program prints true and print the color-pixel.

Result

**True case**

PS C:\Users\study\Desktop\Final Capstone\Capstone Image Processing> python image2.py compare to.jpg

(657, 600, 3)

(657, 600, 3)

(3024, 4032, 3)

(657, 600, 3)

[[[131 117 104]

[131 117 104]

[131 119 105]

...

[ 92 92 92]

[ 85 85 85]

[ 93 93 93]]

[[131 117 104]

[131 117 104]

[131 119 105]

...

[ 88 88 88]

[ 98 98 98]

[ 91 91 91]]

[[132 118 105]

[131 117 104]

[132 120 106]

...

[ 77 77 75]

[ 89 89 87]

[ 70 70 68]]

...

[[192 191 196]

[191 190 195]

[192 192 194]

...

[244 244 244]

[242 244 243]

[242 244 243]]

[[192 191 196]

[191 191 193]

[192 192 194]

...

[244 244 244]

[242 244 243]

[242 244 243]]

[[191 191 193]

[191 191 191]

[191 191 191]

...

[247 247 249]

[244 245 247]

[242 243 245]]]

True

**False case**