Lab3 - Obama2Putin Morphing

In this lab you will learn how to morph two images to get something average.

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Step 1: Adding Images

Let's add two images to the results.

```
I = imread('putin.jpg');
J = imread('obama.jpg');
R = I + J;
subplot(1,3,1), imshow(I)
subplot(1,3,2), imshow(J)
subplot(1,3,3), imshow(R)
```







Step 2: Averaging Images

As it was seen in the step 1 the image got oversaturated. To avoid it we have to ensure that the sum of two pixels does not get greater that 255. For that we take weighted average of the two images.

```
R1 = 0.7*I + 0.3*J; % note that .7+.3 = 1

R2 = 0.5*I + 0.5*J; % note that .5+.5 = 1

R3 = 0.3*I + 0.7*J; % note that .3+.7 = 1

subplot(1,3,1), imshow(R1)

subplot(1,3,2), imshow(R2)

subplot(1,3,3), imshow(R3)
```







Step 3: Making Video

Let's change the weights and save the images to make up a video.

Assignment

Find any two images of a man and a woman and give an insight of how could their children look like.

```
%% Lab3 Assignment
% Student: *Bob The Builder @ EN3-A-04*
%%
% Play here...
```

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