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```
%9/1/2010
%(I'm not sure what to type for the pledge, I couldn't find it) I honorably pledge
%this assignment myself and did not use any sketchy, cheating resources.
```
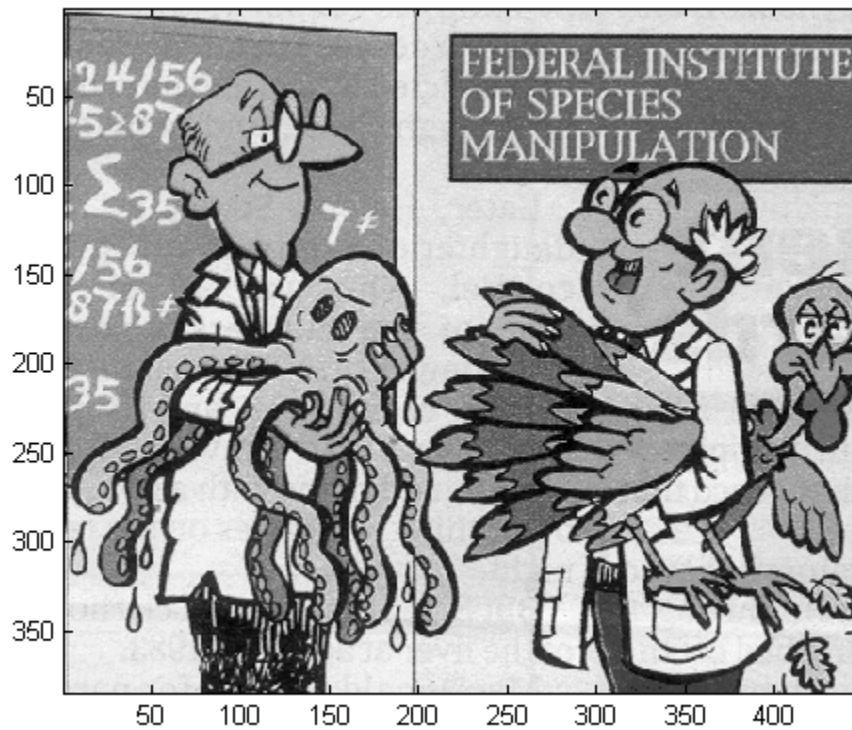
This is Assignment #1 which is basic MATLAB image manipulation i.e.

color mapping, combining, subtracting, etc.

Displaying an Image

```
%Show Directory information, then load and display the left image.
dir;
leftimg = imread('Left.png');
imagesc(leftimg);
axis image;
colormap(gray(256));
```

```
.                assignment1.asv   html
..               assignment1.m
Left.png         head01.png
Right.png        head02.png
```

Creating the difference image

```
%Load anothe image, convert both images to doubles, and display a
%difference image
rightimg = imread('right.png');
leftimg = double(leftimg);
rightimg = double(rightimg);
imagesc(leftimg - rightimg);
axis image;
colormap(gray(256));
```
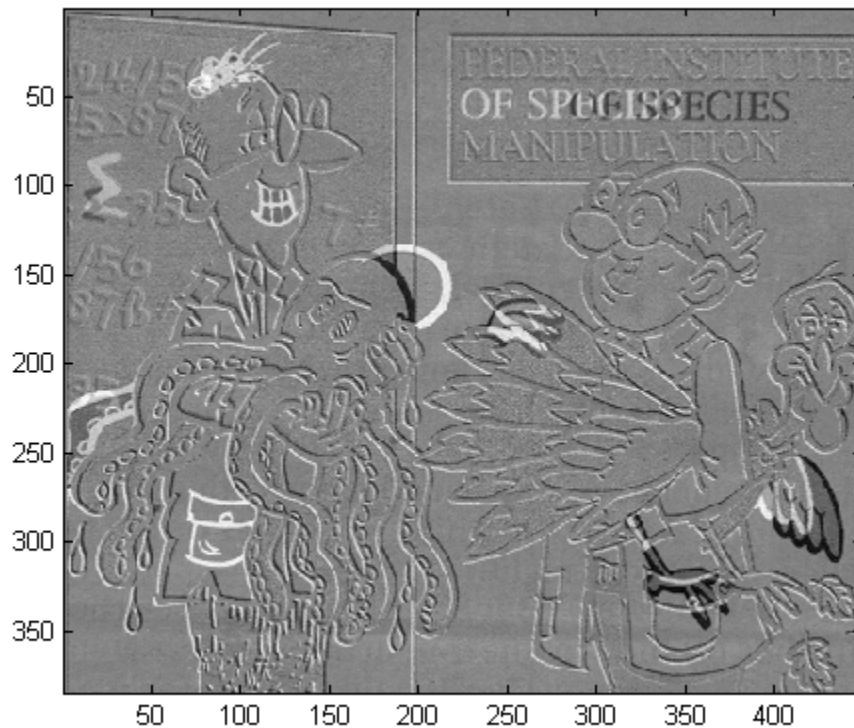
Image morphing

```
%%Loading the first image
%Load and display the first picture
img01 = imread('head01.png');
imagesc(img01);
axis image;
```
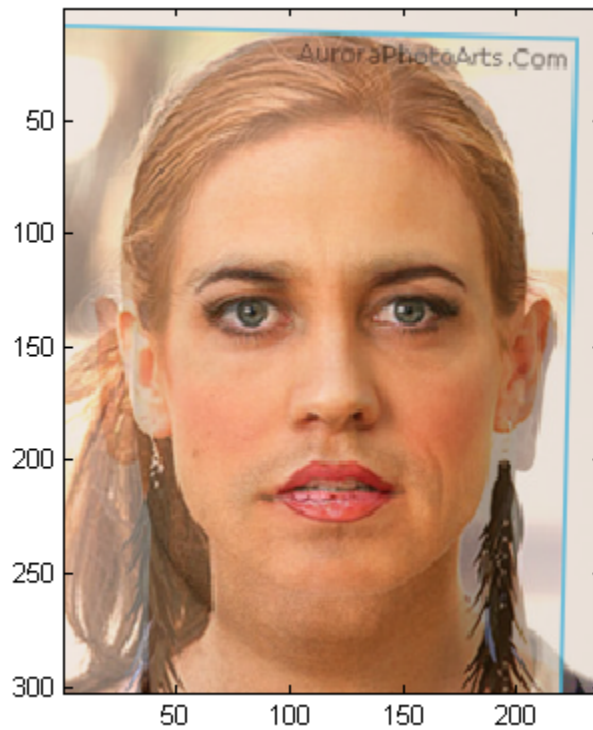
Loading the second picture

```
%Load and display the second picture
img02 = imread('head02.png');
imagesc(img02);
axis image;
```

Compute and display the sverage image

Compute and display the average image

```
img03 = 0.5*img01 + 0.5*img02;
imagesc(img03);
axis image;
```

Comments

```
%This assignment was pretty simple and straightfoward (since we had
%step-by-step instruction). I had a little bit of an issue getting the
%images to display since I saved the script file in a different directory
%than the images. It came up with an error message and I hit a button and it worke
%not sure whether or not we are supposed to see both product images, but I
%guess not since it doesn't happen. I'm still a little bit unsure
%about the whole "programming" thing since I'm a "noob" at writing code,
%so this helped solidify some of the logistics for me, help me learn some commands
```

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