THE UNIVERSITY OF TEXAS AT ARLINGTON, TEXAS
DEPARTMENT OF ELECTRICAL ENGINEERING

EE 5356

DIGITAL IMAGE PROCESSING

PROJECT # 13

by

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Presented to

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Image Blending

MATLAB Code:

```
img_1=imread('lena512.bmp');
img_2=imresize(imread('cameraman.bmp'),[512,512]);



alpha = input('enter alpha value ')



if(alpha<0||alpha>1)
    warning('values must range from 0-1')
else
    img_3=((1-alpha)*img_1)+(alpha*img_2);
    titl=sprintf('the Blended Image for value of alpha=%0.1f',alpha);
imshow(img_3);
title(titl);
end
```

Results:

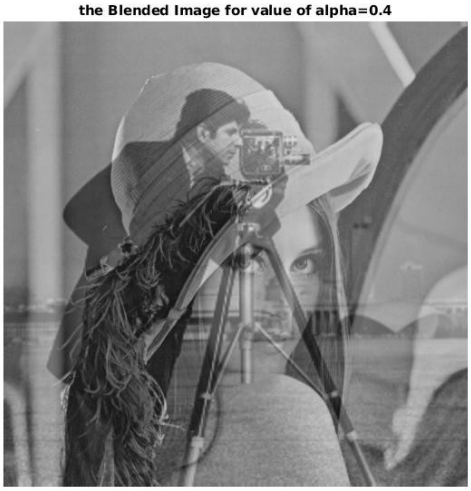
the Blended Image for value of alpha=0.0

the Blended Image for value of alpha=0.1

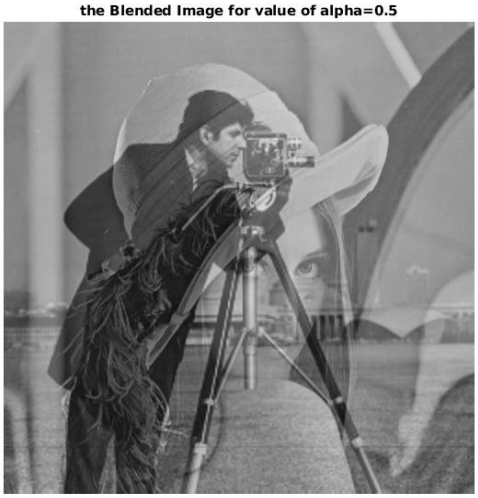
the Blended Image for value of alpha=0.2

the Blended Image for value of alpha=0.3

the Blended Image for value of alpha=0.4



the Blended Image for value of alpha=0.5



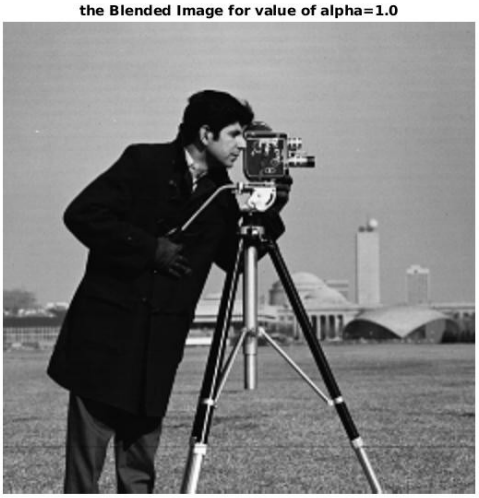
the Blended Image for value of alpha=0.6

the Blended Image for value of alpha=0.7

the Blended Image for value of alpha=0.8

the Blended Image for value of alpha=0.9

the Blended Image for value of alpha=1.0



Conclusion:

By changing the values of alpha the images have been blended and different levels of blending is displayed based on different alpha values respectively.