

**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);

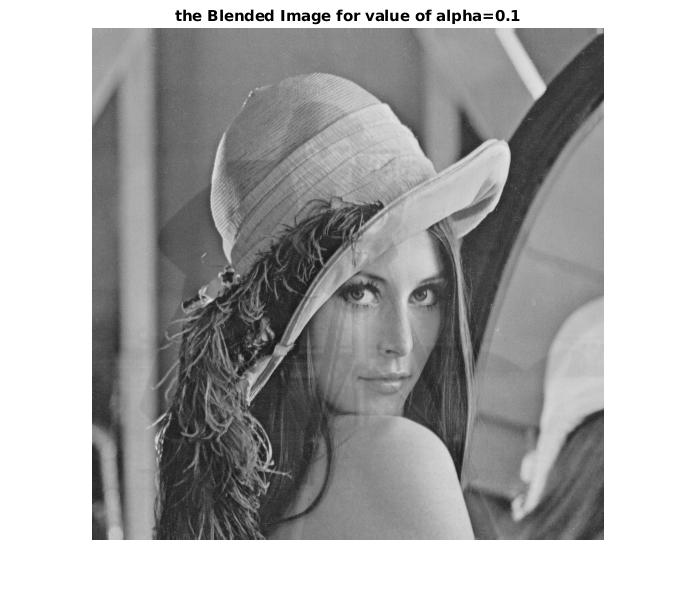
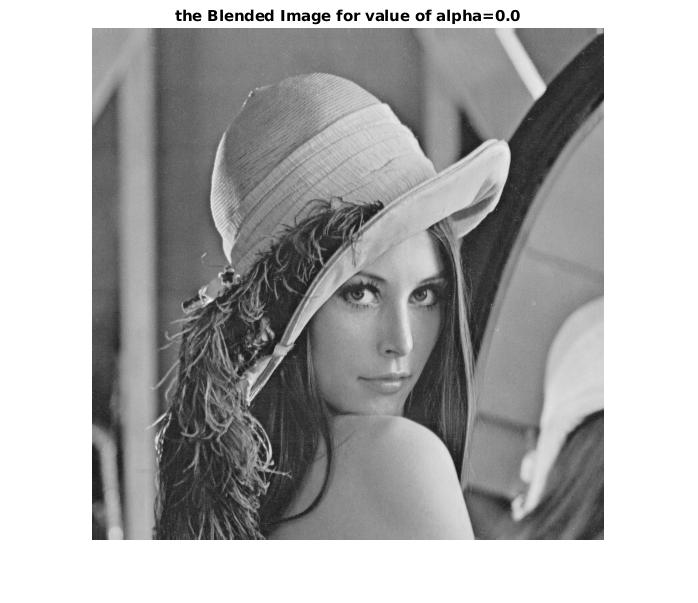
titl=sprintf('the Blended Image for value of alpha=%0.1f',alpha);

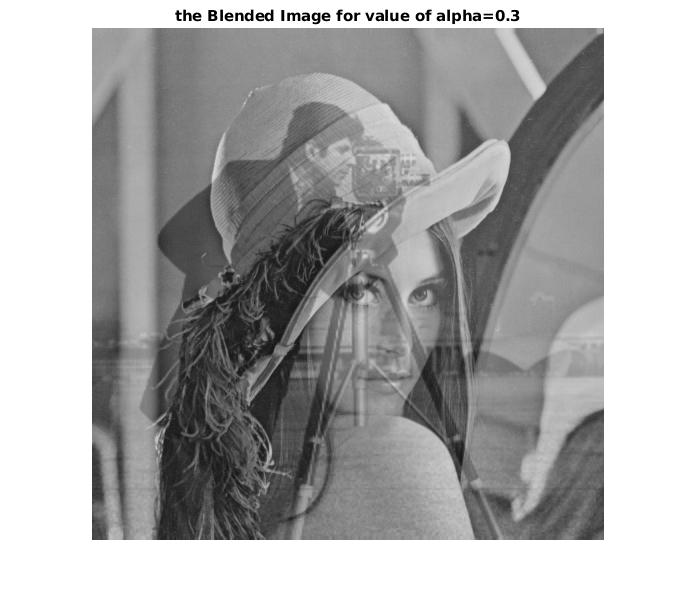
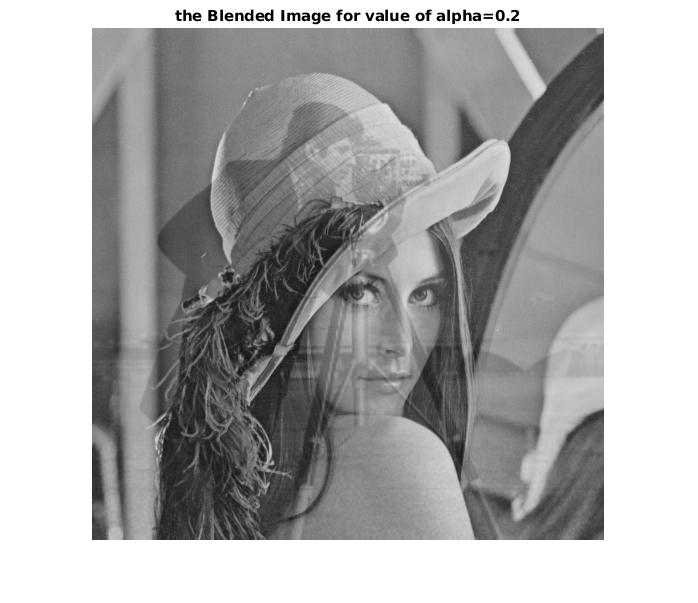
imshow(img\_3);

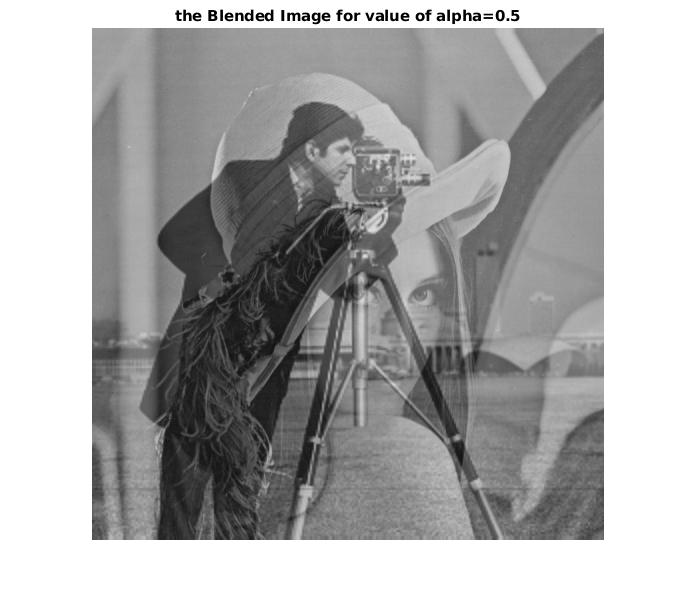
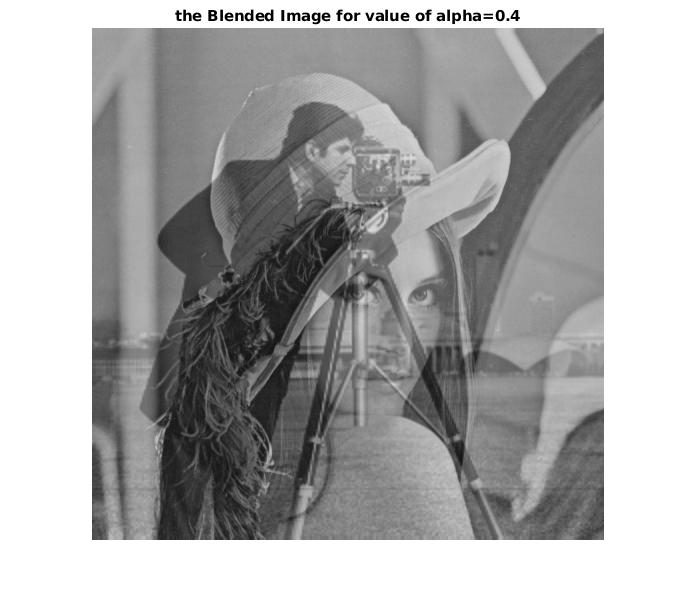
title(titl);

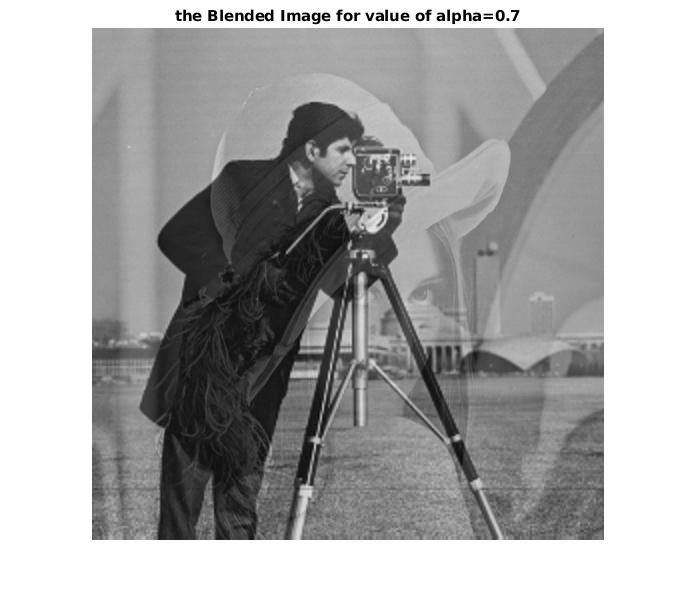
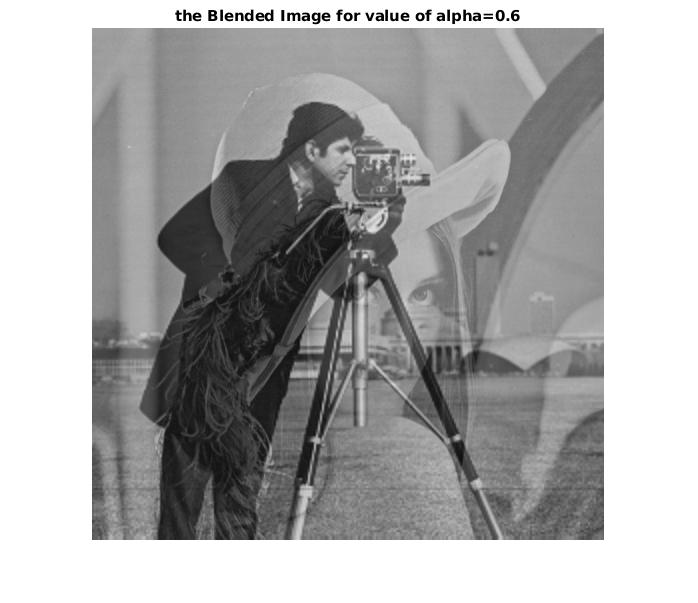
end

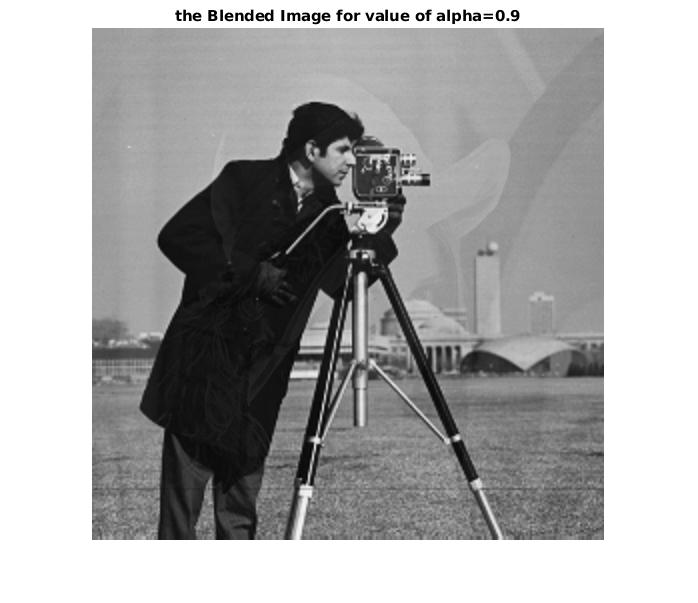
***Results:***

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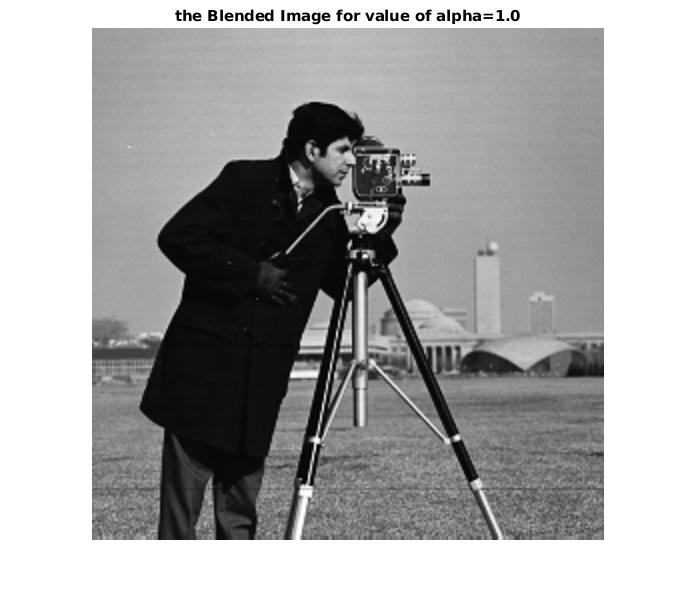






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***Conclusion:***

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