

```
img = imread('/MATLAB Drive/image1.jpg');  
if size(img, 3) == 3  
    img = rgb2gray(img);  
end  
  
image_quantiz = bitshift(img, -3);  
image_quantiz = bitshift(image_quantiz, 3);  
  
figure;  
subplot(1, 2, 1), imshow(img), title('Original Grayscale Image');  
subplot(1, 2, 2), imshow(image_quantiz), title('Quantized Image (32  
Levels)');
```

Original Grayscale Image



Quantized Image (32 Levels)

