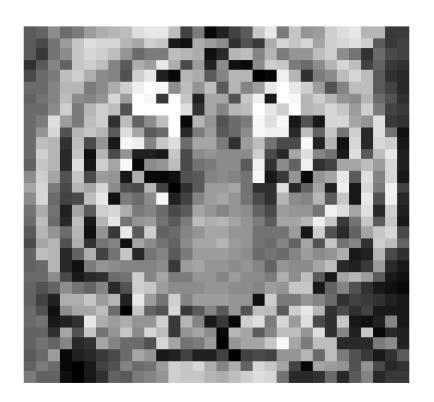
```
img = imread('tiger.jpeg');
grayImg = rgb2gray(img);
normalizedImg = double(grayImg) / 255;
quantizedImg = round(normalizedImg * 31);
resizedImg = imresize(quantizedImg, [32 32], 'nearest');
finalQuantizedImg = imresize(resizedImg, size(grayImg), 'nearest');
imshow(finalQuantizedImg, []);
```



use imresize. This aids in condensing the 32 grayscale
 levels into a more manageable illustration.

Step6 : Resize the downsampled image with imresize to its
 original dimensions, if desired. This returns the image to
 its original size while preserving the quantization.

Step7 : Use imshow to display the final quantized image, allowing
 you to visualize the effects of the quantization process.

Step8 : Optionally, save the resulting quantized image using imwrite
 to store it as a new file.

%}