Assignment No. 1

Archan Mehta (201711014)
Dharit Parikh (201711022)

1. Write a MATLAB function myresize.m which can scale an input image to any given size (M,N). Use bilinear interpolation for this purpose. Show couple of results in your report
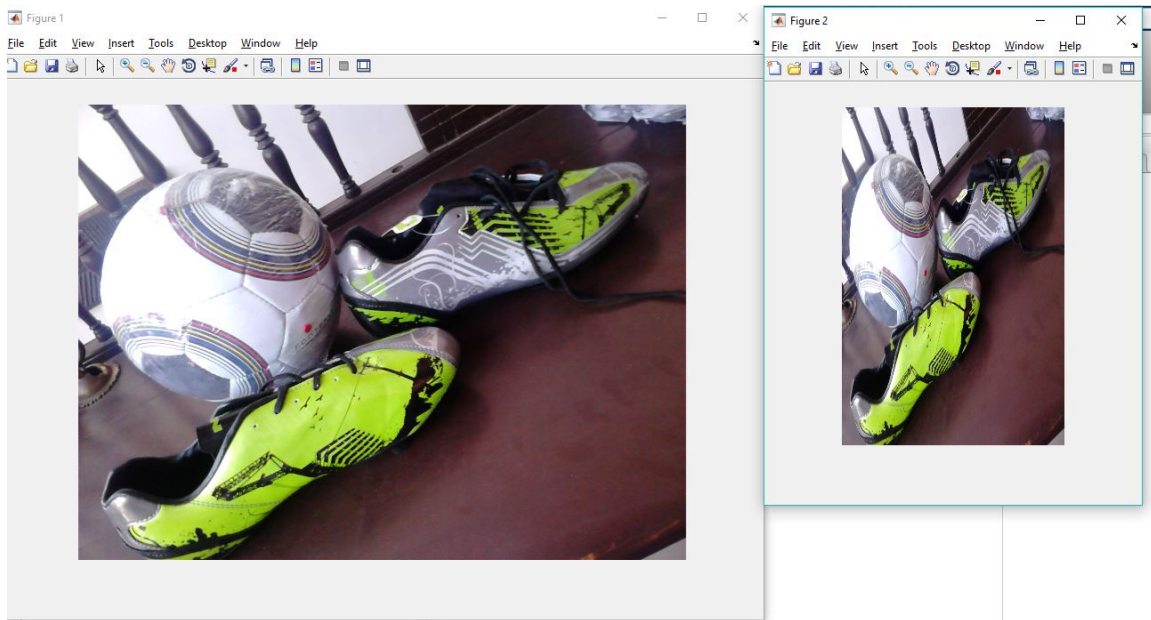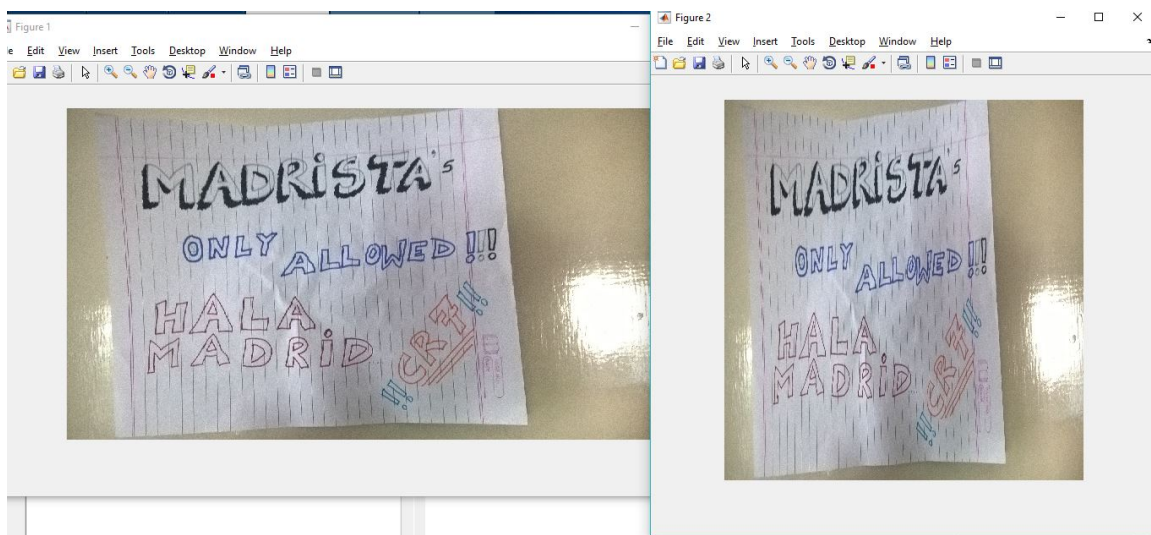

Figure 1: 300x250 image resize

Figure 2: 900x850 image resize

2. Write a MATLAB function myrotate.m which can roate an input image at any user specified angle about the center of the image. Show a couple of results in your report and verify whether rotating any image n times by an angle

$$\theta = \frac{2\pi}{n}$$
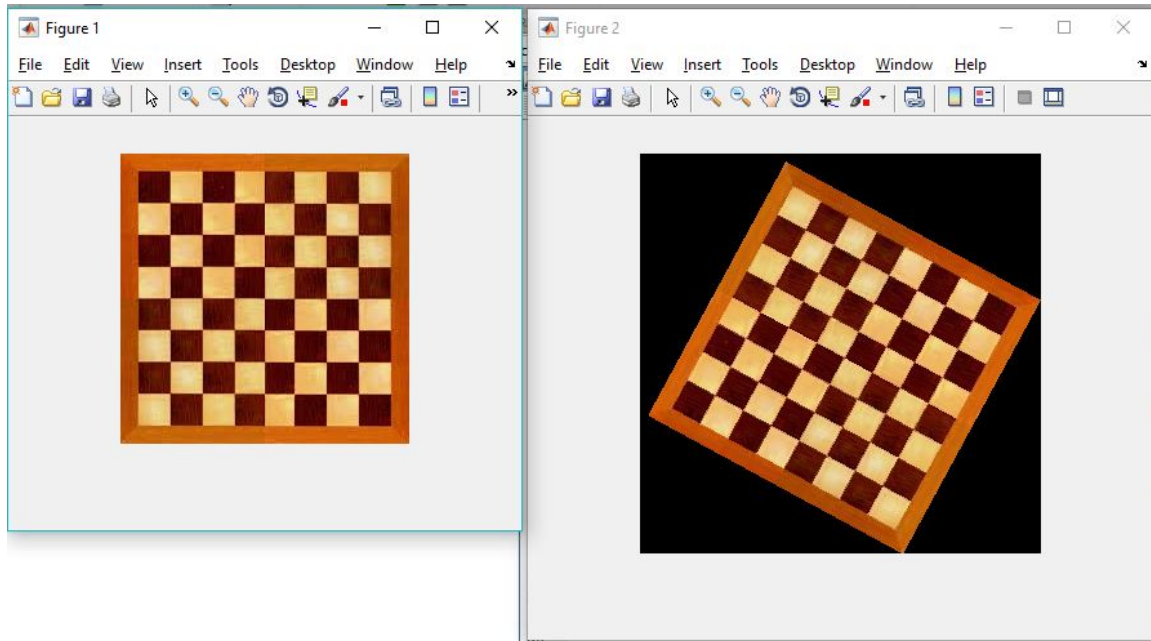
for some fixed n, yields the original image or not.

Figure 3: rotated image