OpenCV Questions –Day 2

1. Write a program to apply translation with translation factors tx=200 and ty=100 on the image of apple
2. Write a program apply scaling on an image with scaling factor 2 on both x and y axes. Try the same on both color and black and white images.
3. Write a program to rotate an image 45 degrees
4. Write a program to rotate an image 45 degrees and apply scaling of 1.5 in both axes.
5. Write a program to apply various thresholding operations on an image gradient.jpg. Apply the same with other similar images and analyze the results.
   THRESH_BINARY
   THRESH_BINARY_INV
   THESH_TRUNC
   THRESH_TOZERO
   THRESH_TOZERO_INV
6. Apply Edge detection using Canny in any two images
7. Apply Perspective Transformation on the Sudoku/ or any other image to improve clarity.