# CS4243 Lab 2

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import cv2

ORIGINAL\_FILE = 'scene.jpg'

RADIUS = 3

THICKNESS = -1

LINE\_TYPE = 8

SHIFT = 0

image = cv2.imread(ORIGINAL\_FILE, cv2.CV\_LOAD\_IMAGE\_GRAYSCALE)

feature\_list = cv2.goodFeaturesToTrack(image, 200, 0.001, 11.0).reshape((-1,2))

image = cv2.imread(ORIGINAL\_FILE, cv2.CV\_LOAD\_IMAGE\_COLOR)

for (x, y) in feature\_list:

cv2.circle(image, (x, y), RADIUS, (0, 78, 255, 0), THICKNESS, LINE\_TYPE, SHIFT)

cv2.imwrite('corners.jpg', image)

