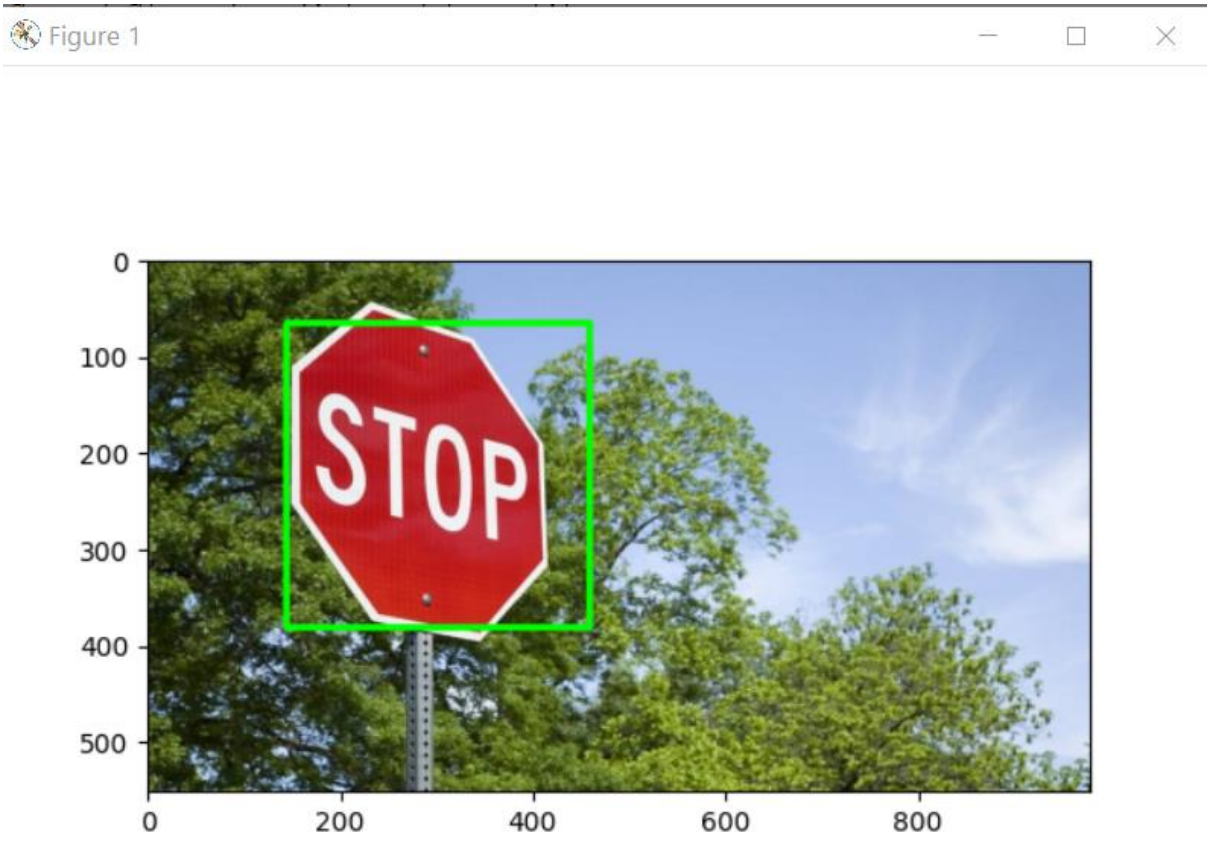
ASSIGNMENT_6:

Develop a python code to detect any object using Haar cascade classifier.

```
import cv2
from matplotlib import pyplot as plt
img = cv2.imread("image.jpg")
img_gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
img_rgb = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
stop_data = cv2.CascadeClassifier('stop_data.xml')

found = stop_data.detectMultiScale(img_gray,
                                   minSize =(20, 20))
amount_found = len(found)

if amount_found != 0:
    for (x, y, width, height) in found:
        cv2.rectangle(img_rgb, (x, y),
                      (x + height, y + width),
                      (0, 255, 0), 5)
plt.subplot(1, 1, 1)
plt.imshow(img_rgb)
plt.show()
```



nj.py - C:\Users\BOREDDY CHAITANYA\Desktop\cv_python_test\nj.py (3.9.6)

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```

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