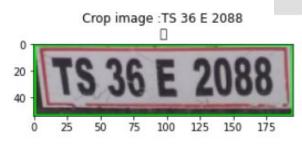
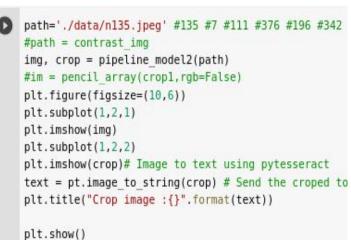
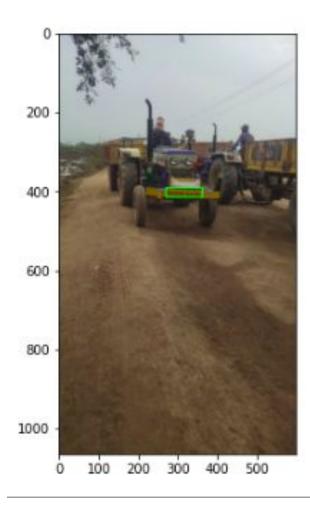
Preprocessing Steps

Number Plate

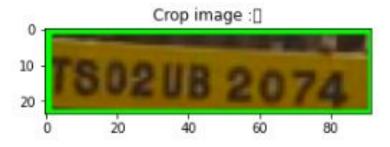








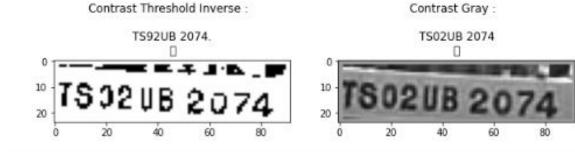
2 Image

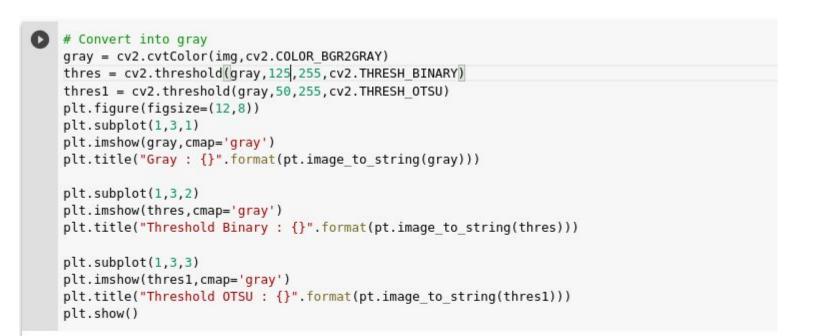




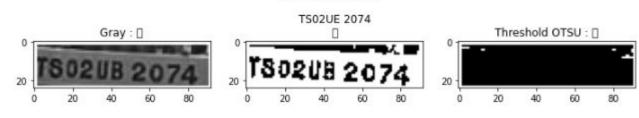
```
cont_gray = cv2.cvtColor(gray,cv2.COLOR_BGR2GRAY)
thres_INV = cv2.threshold(cont_gray,80,255,cv2.THRESH_BINARY)
plt.figure(figsize=(10,6))
plt.subplot(1,2,1)
plt.imshow(thres_INV,cmap='gray')
plt.title("Contrast Threshold Inverse : {}".format(pt.image_to_string(thres_INV)))

plt.subplot(1,2,2)
plt.imshow(cont_gray,cmap='gray')
plt.title("Contrast Gray : {}".format(pt.image_to_string(cont_gray)))
plt.show()
```









```
# Denoised
```

```
denoised = cv2.fastNlMeansDenoising(gray, 11, 31, 9)
plt.title("Denoised : {}".format(pt.image_to_string(denoised)))
plt.imshow(denoised,cmap='gray')
plt.show()
```



