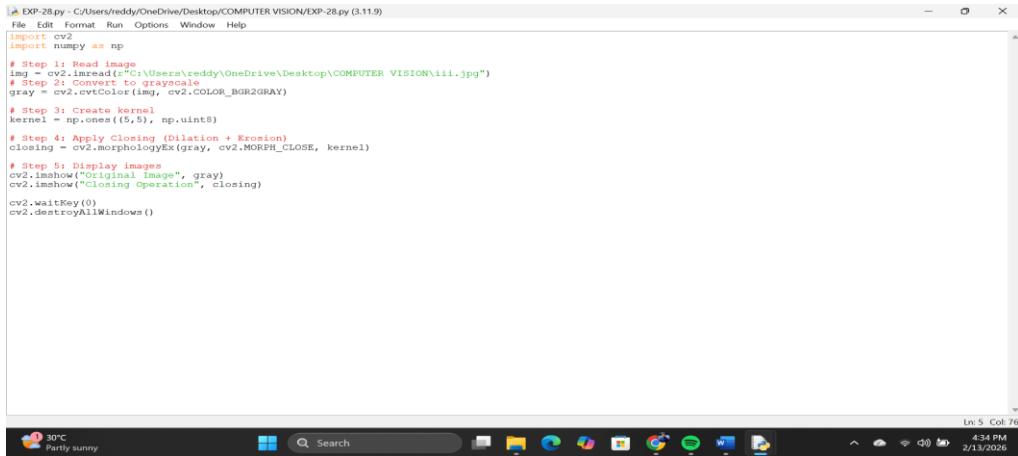


28. Morphological operations based on OpenCV using Closing technique.

PROGRAM:



```
EXP-28.py - C:/Users/reddy/OneDrive/Desktop/COMPUTER VISION/EXP-28.py (3.11.9)
File Edit Format Run Options Window Help
import cv2
import numpy as np
# Step 1: Read image
img = cv2.imread(r'C:/Users/reddy/OneDrive/Desktop/COMPUTER VISION\iii.jpg')
# Step 2: Convert to grayscale
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
# Step 3: Create kernel
kernel1 = np.ones((5,5), np.uint8)
# Step 4: Apply Closing (Dilation + Erosion)
closing = cv2.morphologyEx(gray, cv2.MORPH_CLOSE, kernel1)
# Step 5: Display images
cv2.imshow("Original Image", gray)
cv2.imshow("Closing Operation", closing)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

OUTPUT:

