

28. Morphological operations based on OpenCV using Closing technique.

PROGRAM:

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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("C:\Users\reddy\OneDrive\Desktop\COMPUTER VISION\111.jpg")
# Step 2: Convert to grayscale
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
# Step 3: Create kernel
kernel = np.ones((5,5), np.uint8)
# Step 4: Apply Closing (Dilation + Erosion)
closing = cv2.morphologyEx(gray, cv2.MORPH_CLOSE, kernel)
# Step 5: Display images
cv2.imshow("Original Image", gray)
cv2.imshow("Closing Operation", closing)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

OUTPUT:

