4. Perform basic Image Handling and processing operations on the image• Read an image in python and Dilate an Image using Dilate function

Program

import cv2  
import numpy as np  
  
image\_path = "C:/Users/sidda/OneDrive/Desktop/py/pexels-eberhard-grossgasteiger-534164.jpg"  
image = cv2.imread(image\_path, cv2.IMREAD\_GRAYSCALE)  
  
kernel\_size = 3  
kernel = np.ones((kernel\_size, kernel\_size), np.uint8)  
  
num\_iterations = 1  
  
dilated\_image = cv2.dilate(image, kernel, iterations=num\_iterations)  
  
cv2.imshow('Original Image', image)  
cv2.imshow('Dilated Image', dilated\_image)  
cv2.waitKey(0)  
cv2.destroyAllWindows()

output

