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Experiment 20:

Implement the Dilation technique as a Morphological operation to dilate the foreground regions based on Open CV.

Code:

```
import cv2
import numpy as np
img = cv2.imread("Person.jpg")
if img is None:
    print("X Image not found!")
    exit()
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
_, binary = cv2.threshold(gray, 120, 255, cv2.THRESH_BINARY)
kernel = np.ones((5, 5), np.uint8)
dilated = cv2.dilate(binary, kernel, iterations=1)
cv2.imshow("Original Image", img)
cv2.imshow("Binary Image", binary)
cv2.imshow("Dilated Image", dilated)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

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Output:

