37. Draw Rectangular shape and extract objects.

PROGRAM:

EXP-37.py - C:/Users/reddy/OneDrive/Desktop/COMPUTER VISION/EXP-37.py (3.11.9)

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```
import cv2

# Step 1: Read image
img = cv2.imread(r"C:\Users\reddy\OneDrive\Desktop\COMPUTER VISION\FACE.png")

if img is None:
    print("Image not found")
    exit()

# Step 2: Draw rectangle for Object 1
# (x, y, width, height)
x1, y1, w1, h1 = 120, 60, 200, 250
cv2.rectangle(img, (x1, y1), (x1+w1, y1+h1), (255,0,0), 2)

# Step 3: Extract Object 1
object1 = img[y1:y1+h1, x1:x1+w1]

# Step 4: Draw rectangle for Object 2
x2, y2, w2, h2 = 350, 60, 200, 250
cv2.rectangle(img, (x2, y2), (x2+w2, y2+h2), (0,255,0), 2)

# Step 5: Extract Object 2
object2 = img[y2:y2+h2, x2:x2+w2]

# Step 6: Display results
cv2.imshow("Image with Rectangles", img)
cv2.imshow("Extracted Object 1", object1)
cv2.imshow("Extracted Object 2", object2)

cv2.waitKey(0)
cv2.destroyAllWindows()
```

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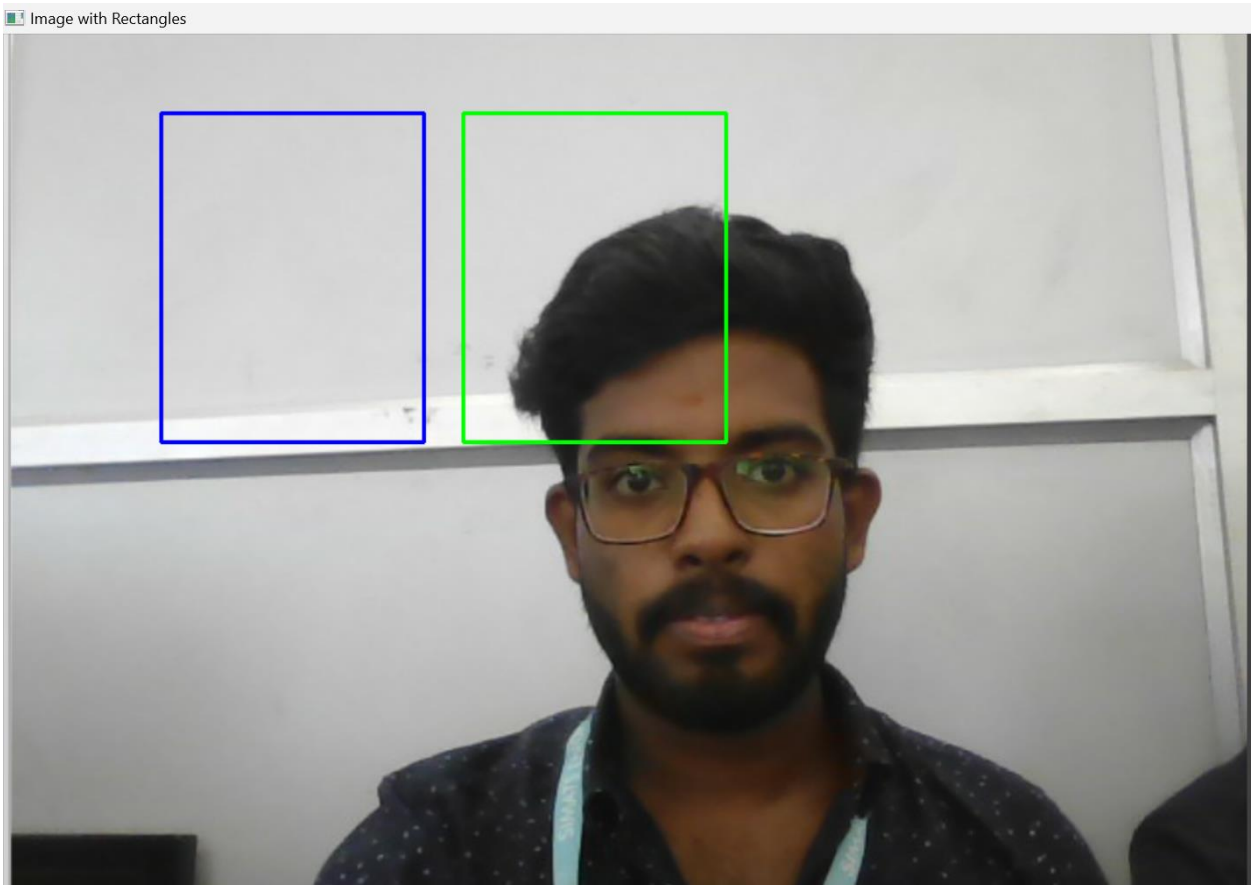
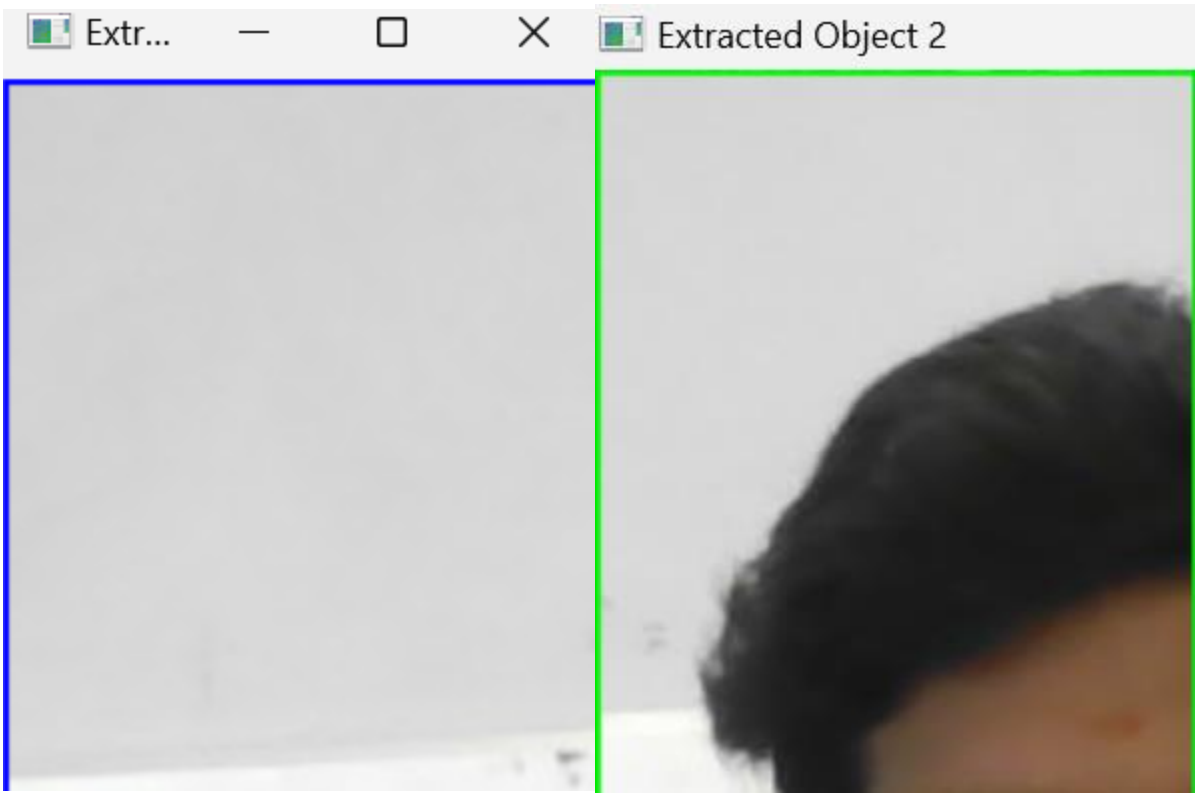
30°C Mostly sunny Search 5:08 PM 2/13/2026

OUTPUT:




Extr...
Extracted Object 2