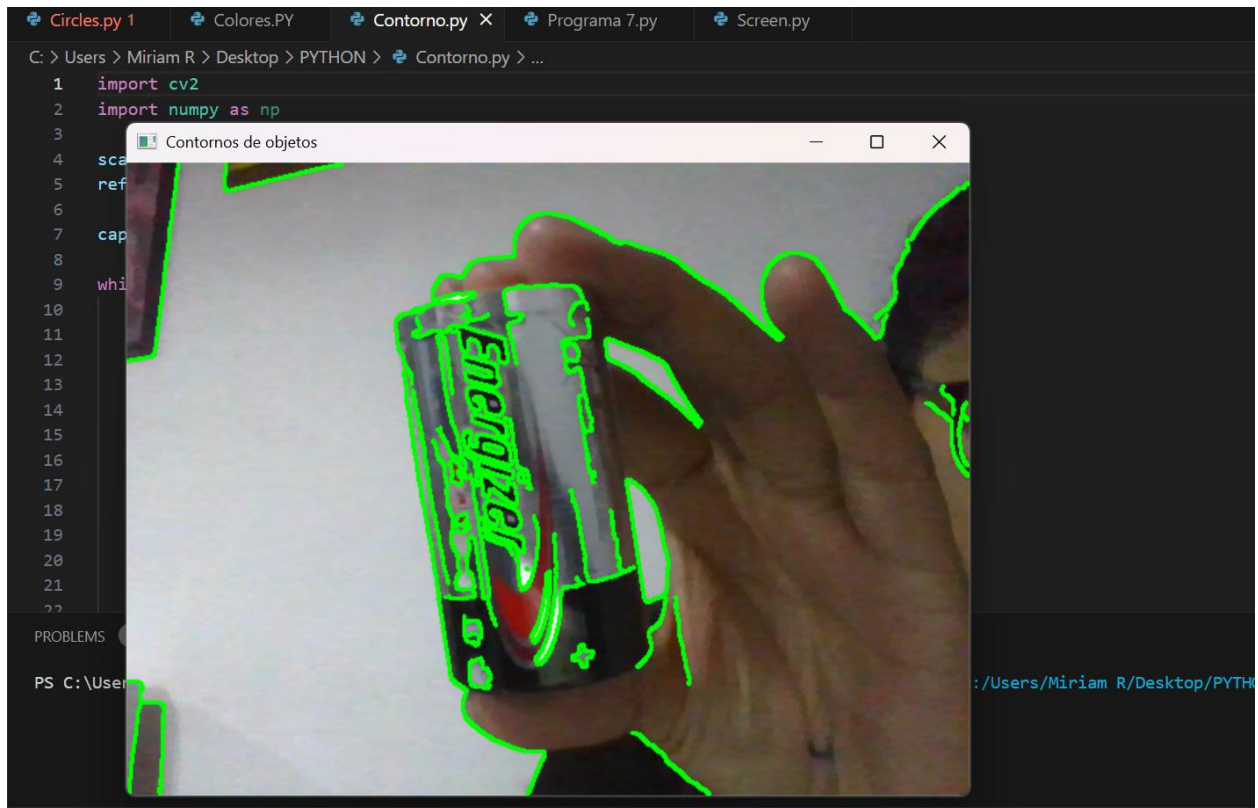


## PROGRAMA 2. CONTORNO DE OBJETOS

### CAPTURA



### CÓDIGO

```
import cv2
import numpy as np

scala_reference = 20.0
reference_width = None

cap = cv2.VideoCapture(0)

while True:
    ret, frame = cap.read()
    if not ret:
        break

    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    blurred = cv2.GaussianBlur(gray, (5, 5), 0)
```

```
edges = cv2.Canny(blurred, 50, 150)
contours, _ = cv2.findContours(edges, cv2.RETR_EXTERNAL, cv2.CHAIN_APPROX_SIMPLE)
cv2.drawContours(frame, contours, -1, (0, 255, 0), 2)
cv2.imshow("Contornos de objetos", frame)

if cv2.waitKey(1) & 0xFF == ord('q'):
    break

cap.release()
cv2.destroyAllWindows()
```