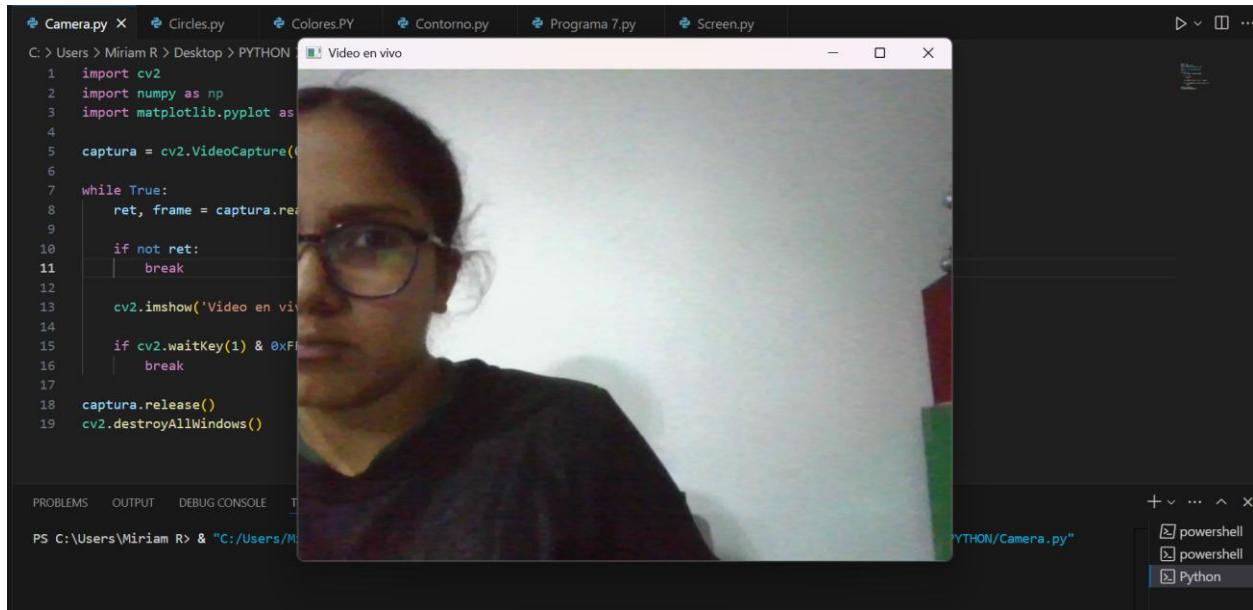**PROGRAMA 1. CAMARA EN VIVO**

CAPTURA

CÓDIGO

```python
import cv2
import numpy as np
import matplotlib.pyplot as plt

captura = cv2.VideoCapture(0)

while True:
    ret, frame = captura.read()

    if not ret:
        break

    cv2.imshow('Video en vivo', frame)

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

captura.release()
cv2.destroyAllWindows()
```