```
pip install opencv-python
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Requirement already satisfied: opencv-python in /usr/local/lib/python3.11/dist-packages (4.11.0.86)
Requirement already satisfied: numpy>=1.21.2 in /usr/local/lib/python3.11/dist-packages (from opencv-python) (2.0.2)
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# Install the OpenCV library
!pip install opencv-python

# Import the necessary libraries
import cv2
# Import the Colab specific patched version of imshow
from google.colab.patches import cv2_imshow

# Load the image
image = cv2.imread('/content/Dora.jpeg')

# Check if the image was loaded properly
if image is None:
    print("Error: Image not found or could not be loaded.")
else:
    # Resize the image
    resized = cv2.resize(image, (256, 256))

    # Convert to grayscale
    gray = cv2.cvtColor(resized, cv2.COLOR_BGR2GRAY)

    # Apply Gaussian Blur
    blurred = cv2.GaussianBlur(gray, (5, 5), 0)

    # Apply binary thresholding
    _, thresholded = cv2.threshold(blurred, 127, 255, cv2.THRESH_BINARY)

    # Display results using the patched imshow function
    cv2_imshow(resized)
    cv2_imshow(gray)
    cv2_imshow(blurred)
    cv2_imshow(thresholded)

    # cv2.waitKey(0) is not needed with cv2_imshow
    # cv2.destroyAllWindows() is not needed with cv2_imshow
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Start coding or generate with AI.