# Step 1: Install OpenCV if not already installed

!pip install opencv-python-headless

# Step 2: Upload an image file

from google.colab import files

uploaded = files.upload()

import cv2

import numpy as np

from matplotlib import pyplot as plt

from PIL import Image

import io

# Step 3: Load the uploaded image

image\_path = next(iter(uploaded)) # gets the first uploaded file

image = cv2.imread(image\_path)

image = cv2.cvtColor(image, cv2.COLOR\_BGR2RGB) # convert BGR to RGB

# Step 4: Define watermark text and parameters

watermark\_text = "Watermark"

font = cv2.FONT\_HERSHEY\_SIMPLEX

font\_scale = 1

color = (255, 255, 255) # white color

thickness = 2

position = (10, image.shape[0] - 10) # bottom-left corner

# Step 5: Add watermark to the image

watermarked\_image = image.copy()

cv2.putText(watermarked\_image, watermark\_text, position, font, font\_scale, color, thickness, cv2.LINE\_AA)

# Step 6: Display original and watermarked images

plt.figure(figsize=(10, 5))

plt.subplot(1, 2, 1)

plt.imshow(image)

plt.title("Original Image")

plt.axis("off")

plt.subplot(1, 2, 2)

plt.imshow(watermarked\_image)

plt.title("Watermarked Image")

plt.axis("off")

plt.show()

