1. **Insert water marking to the image using OpenCV.**

**Aim:**

To perform watermarking to the image using opencv.

**Code:**

import cv2

img = cv2.imread(r"C:\Users\prith\Documents\CV\cvimage.jpg")

wm = cv2.imread(r"C:\Users\prith\Documents\CV\cvimage.jpg")

h\_wm, w\_wm = wm.shape[:2]

h\_img, w\_img = img.shape[:2]

center\_x = int(w\_img/2)

center\_y = int(h\_img/2)

top\_y = center\_y - int(h\_wm/2)

left\_x = center\_x - int(w\_wm/2)

bottom\_y = top\_y + h\_wm

right\_x = left\_x + w\_wm

roi = img[top\_y:bottom\_y, left\_x:right\_x]

result = cv2.addWeighted(roi, 1, wm, 0.3, 0)

img[top\_y:bottom\_y, left\_x:right\_x] = result

cv2.imshow("Watermarked Image", img)

cv2.waitKey(0)

cv2.destroyAllWindows()

**Input:**



**Output:**

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**Result:**

The python code to perform watermarking an image has been executed successfully.