PROGRAM – 3

AIM:

To do a python program to original image into grayscale image

ALGORITHM:

1. **Import module:** Import cv2 (OpenCV library).
2. **Read image:** Use cv2.imread() to read the image 'HP.jpg'.
3. **Check image:** If image is not loaded (None), print an error and exit.
4. **Convert to grayscale:** Use cv2.cvtColor() with cv2.COLOR\_BGR2GRAY to convert the image to grayscale.
5. **Display images:** Show both original and grayscale images using cv2.imshow().
6. **Wait and close:** Wait for a key press using cv2.waitKey(0) and close all windows using cv2.destroyAllWindows().

OUTPUT:



