import cv2

# Load the input image

image = cv2.imread('C:\users\GAYATHRI\downloads\house.jpg')

cv2.imshow('Original', image)

cv2.waitKey(0)

# Use the cvtColor() function to grayscale the image

gray\_image = cv2.cvtColor(image, cv2.COLOR\_BGR2GRAY)

cv2.imshow('Grayscale', gray\_image)

cv2.waitKey(0)

# Window shown waits for any key pressing event

cv2.destroyAllWindows()