1. Write a Program to read a digital image. Split and display image into 4 quadrants, up, down, right and left

import cv2

img = cv2.imread('DIP/image.jpg')

height, width = img.shape[:2]

half\_width = width // 2

half\_height = height // 2

top\_left = img[0:half\_height, 0:half\_width]

top\_right = img[0:half\_height, half\_width:width]

bottom\_left = img[half\_height:height, 0:half\_width]

bottom\_right = img[half\_height:height, half\_width:width]

cv2.imshow('Top Left', top\_left) cv2.imshow('Top Right', top\_right) cv2.imshow('Bottom Left', bottom\_left) cv2.imshow('Bottom Right', bottom\_right) cv2.waitKey(0)

cv2.destroyAllWindows()