ReduceImageSize

Write a program that down-samples a given image by two, hence reduces its size, by discarding one of every two pixels in both horizontal and vertical directions, and then displays the original image along with the downsampled one. Hence if the input image is N×N, then the output image will be (N/2) × (N/2), assuming integer division in case N is odd. The output of your program should look like the sample run given below.

Sample Run: