

**2. Read a grayscale image and perform the Zooming and Shrinking operation on it.  
Consider the Zooming factor as 2 and shrinking factor as 0.5**

Input Image:  
Resolution: 488 x 275



Zoomed Image:  
Resolution: 976 x 550 (2x)



Shrunk Image:

Resolution: 244 x 137 (0.5x)



### **Conclusion:**

We can see that on zooming the image, the height and the width of the image increases. As the scaling factor increases, the quality of the image decreases.

On shrinking the image, the height and width of the image is reduces.