inputImg = imread('Pout.tif');

factor = input('Enter the factor of resizing (Shrinking or Zooming): ');

[r, c] = size(inputImg);

r\_new = floor(r\*factor);

c\_new = floor(c\*factor);

scaledImg = zeros(r\_new, c\_new);

for i=1:r\_new

for j=1:c\_new

px = floor(i/factor);

py = floor(j/factor);

if px == 0

px = 1;

end

if py == 0

py = 1;

end

scaledImg(i,j) = inputImg(px,py);

end

end

%warning('off', 'Images:initSize:adjustingMag');

figure(1);

imshow(inputImg, []);

figure(2);

imshow(scaledImg, []);