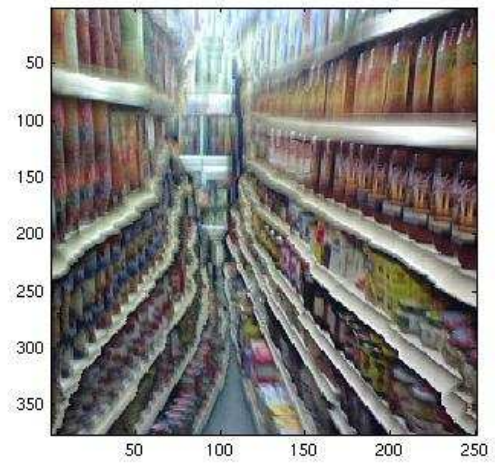
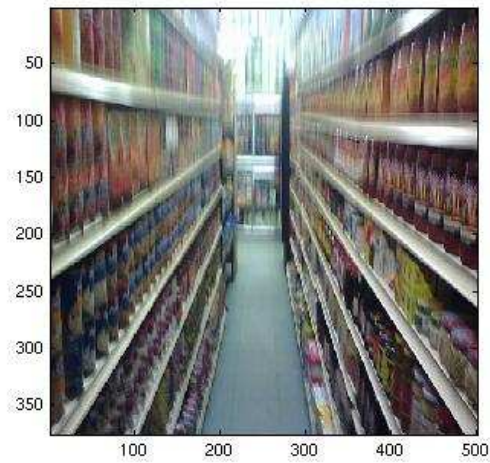
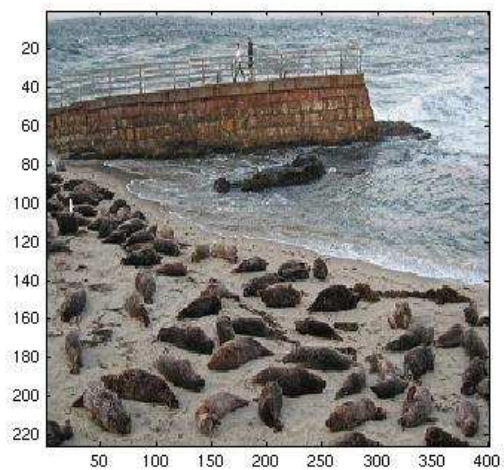
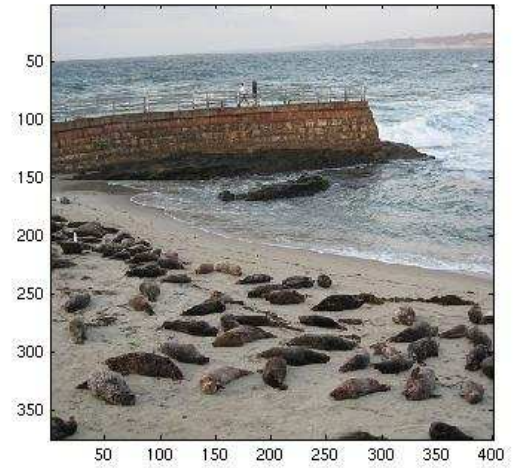
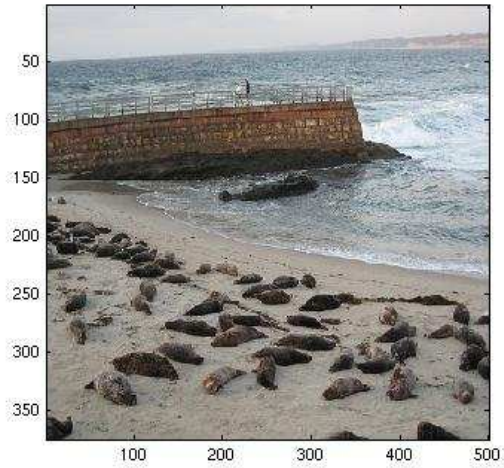


5.



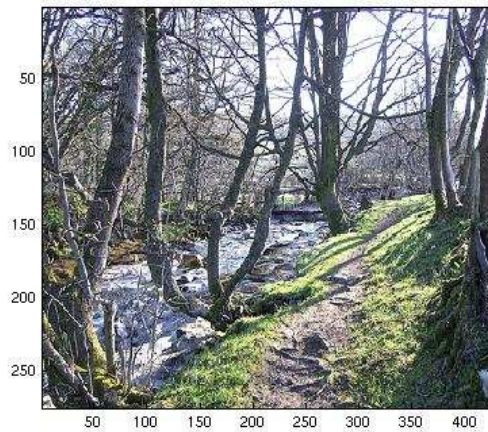
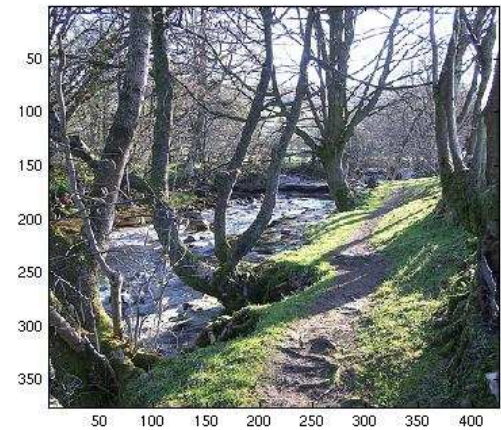
The very top left hand corner is the original image with size 375x500, top right hand corner is the image after doing on reduceWidth of 250 pixel removed and the lower left hand corner is the image after reduceWidth then do reduceHeight of 90 pixel removed; this image has size

of 285x250. The small image is the image has been process with imresize function with parameter of 0.2 so its size is 75x100.

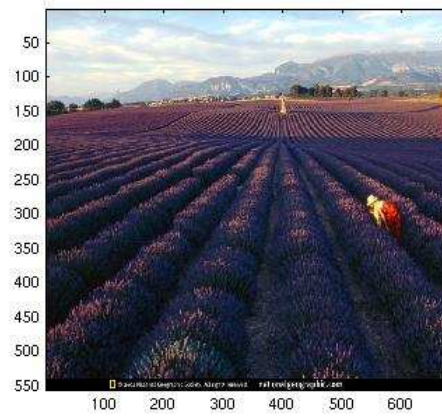
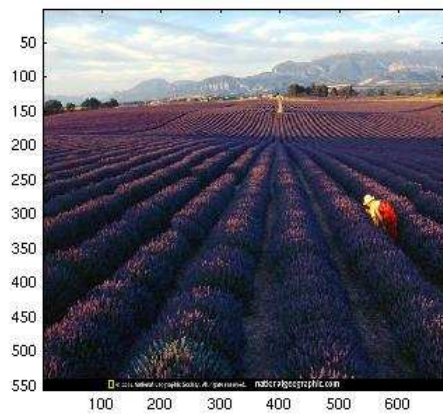
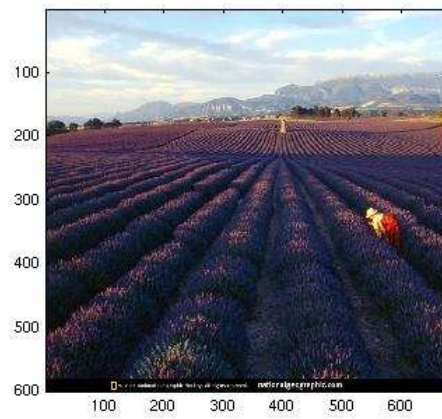
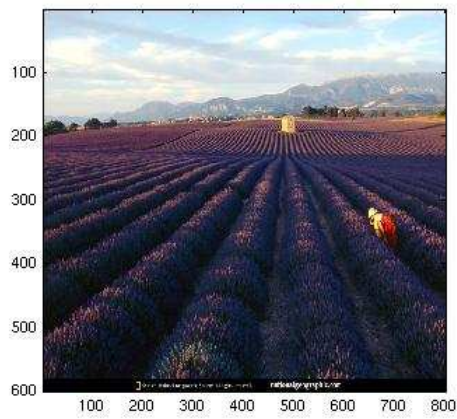




The very top left hand corner is the original image with size 375x500, top right hand corner is the image after doing on reduceWidth of 100 pixel removed and the lower left hand corner is the image after reduceWidth then do reduceHeight of 150 pixel removed; this image has size of 225x400. The image right above is the image has been process with imresize function with parameter of 0.7 so its size is 263x350.

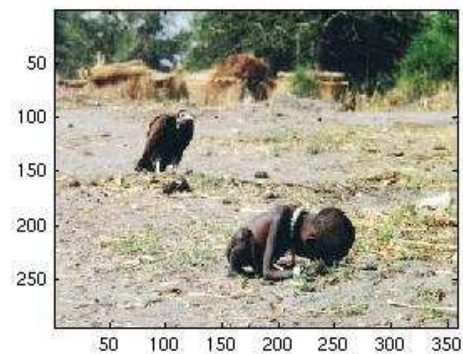
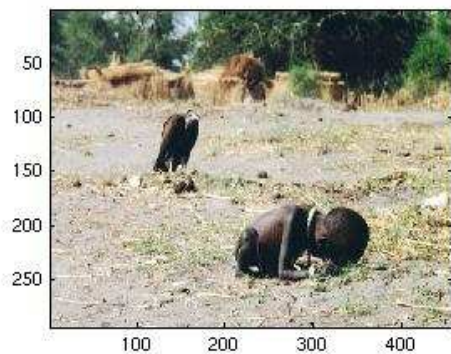


The very top left hand corner is the original image with size 375x500, top right hand corner is the image after doing on reduceWidth, the pixel removed is taking size of the column times 0.2 and the lower left hand corner is the image after reduceWidth then do reduceHeight, the pixel removed is taking size of the row times 0.2; this image has size of 275x425. By doing this I was trying to get a similar in size of the image as I am doing imresize function. The lower right hand corner is the image I used imresize of with parameter of 0.8. I found out that using my system I have do 0.2 instead of 0.8 to get similar in size. By getting them in the similar size I can compare the result to see the difference between two different image processing.

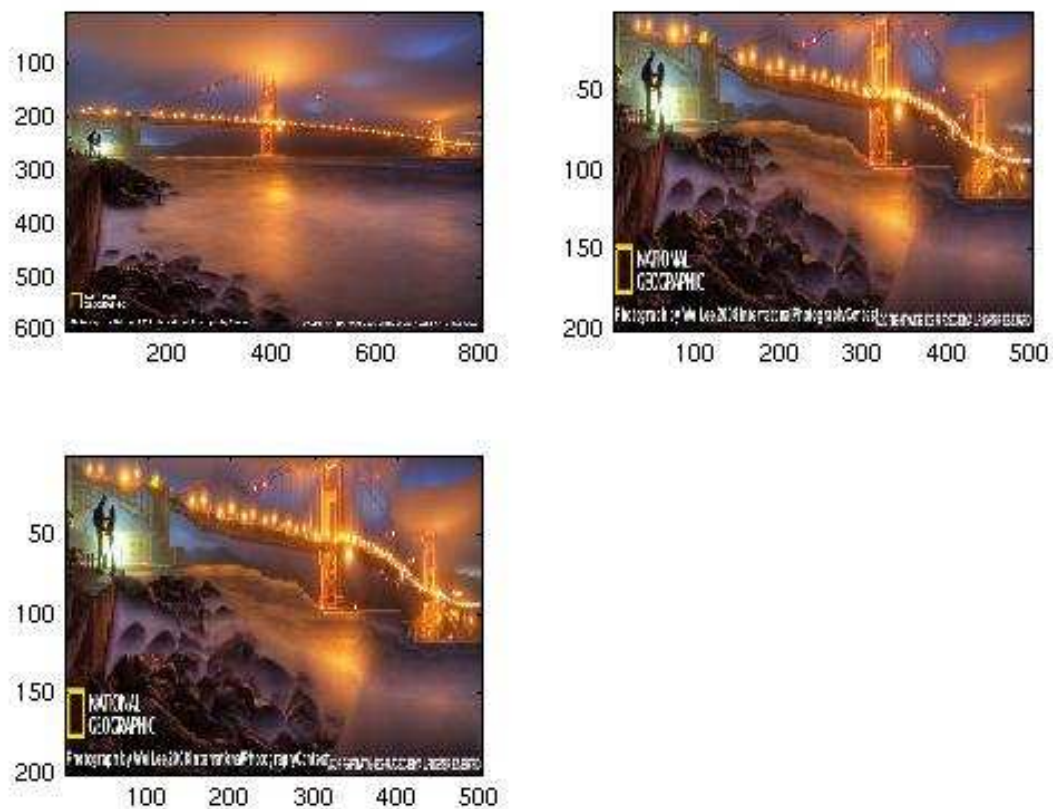


The very top left hand corner is the original image with size 600x800, top right hand corner is

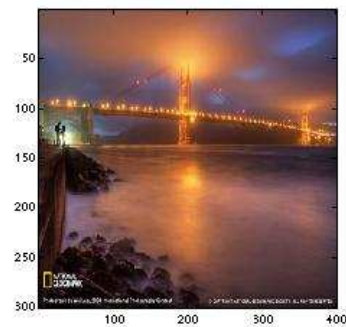
the image after doing on reduceWidth of 122 pixel removed and the lower left hand corner is the image after reduceWidth then do reduceHeight of 45 pixel removed; this image has size of 225x400. The image at the lower hand corner, I did reduceHeight then reduceWidth with the same parameter to see if the output would be different, however both image looks the same. The image right above is the image has been process with imresize function with parameter of 0.4 so its size is 240x320. This is a good example where imresize and my system of seam carving have nice result.



The very top left hand corner is the original image with size 293x458, top right hand corner is the image after doing on reduceWidth of 100 pixel removed and the lower left hand corner is the image after reduceWidth then do reduceHeight of 225 pixel removed; this image has size of 225x400. The image at the lower hand corner, I did reduceHeight then reduceWidth, however the result is the same as I did with the lavender image. The image right above is the image has been process with imresize function with parameter of 0.6 so its size is 176x275. This is a bad example where my system of seam carving has partially destroyed the image.



The very top left hand corner is the original image with size 600x800, top right hand corner is the image after doing on reduceWidth, the pixel removed is taking size of the column times 0.5 and the lower left hand corner is the image after reduceWidth then do reduceHeight, the pixel removed is taking size of the row times 0.5; this image has size of 200x500. By doing this I was trying to get a similar in size of the image as I am doing imresize function. The image below is the image I used imresize of with parameter of 0.5. I found out that using my system in 0.5 and with imresize 0.5 that I can't get image to a similar size. The output image by using my system disoriented the content in the image, therefore using imresize on this type of image would have better result.



The top is original input and bottom is the image using imresize function in matlab.
Input is 600X800 and the bottom image is 300X400

Image acknowledgements:

sudan.jpg is provide by McCaltchy blog

<http://blogs.mcclatchydc.com/nairobi/2008/10/south-african-p.html>

lavender.jpg is provided by National Geography

goldengate.jpg is provided by National Geography