	Writter honework HW6 -Gabe Noriega
	Differences in applying a bilateral Filter VS Stanfort linear Convolution Filter.
	Bilateral Filter: Bilateral Filter is a non-linear edge-Preserving Smoothing filter. this takes in Spatial ant Intersity differences between pixels, this makes It more expersive, and a big part due to Calculating a normalizing factor for each Pixel
	Startert linear Convolution; applys linear transformation to each pixel in the image, returns a weighted sum of neighboring pixel values, this tops not consider intensity, making it faster.
2)	Potential Problems OF Mapping to [0,1] . 1055 DF Jetail (compression) . Artifacts . Contrast (from Compression) . Clipping
3)	what is a Pixel? to me a Pixel is the Snallest unit in an image, this unit Contains information that when combinet, make an image.

