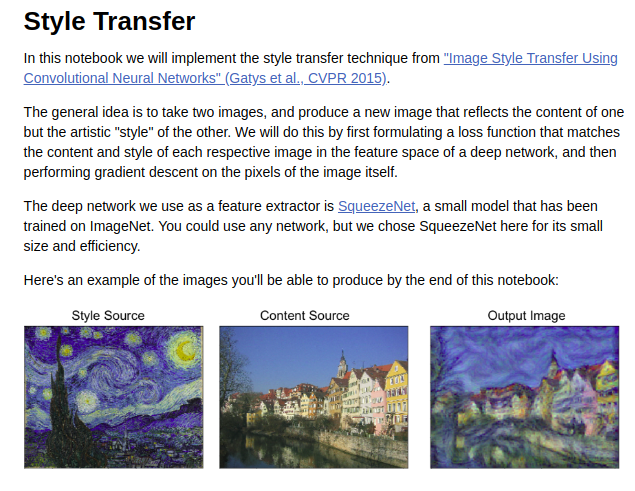
[Assignment #3 1](#_Toc1793122148)

[Q4: Style Transfer 1](#_Toc1834310534)

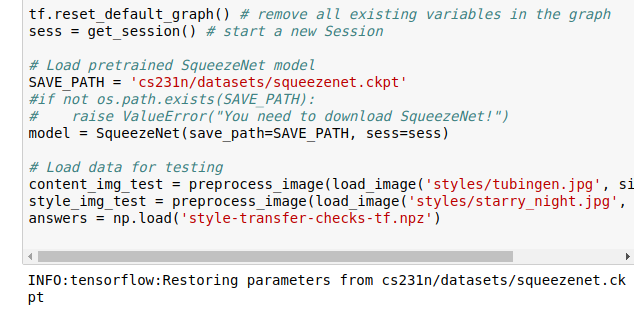
[Q5: Generative Adversarial Networks 6](#_Toc1231288416)

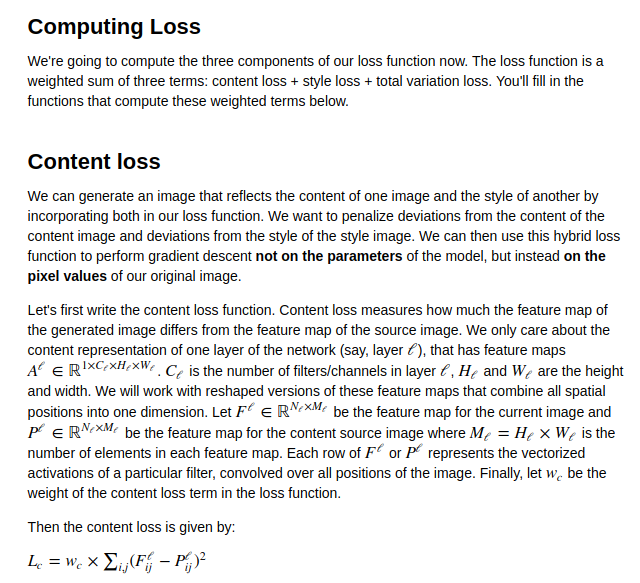
# Assignment #3

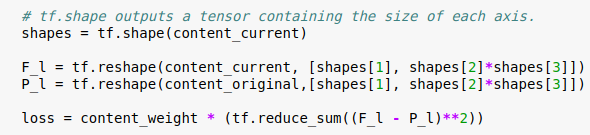
## Q4: Style Transfer

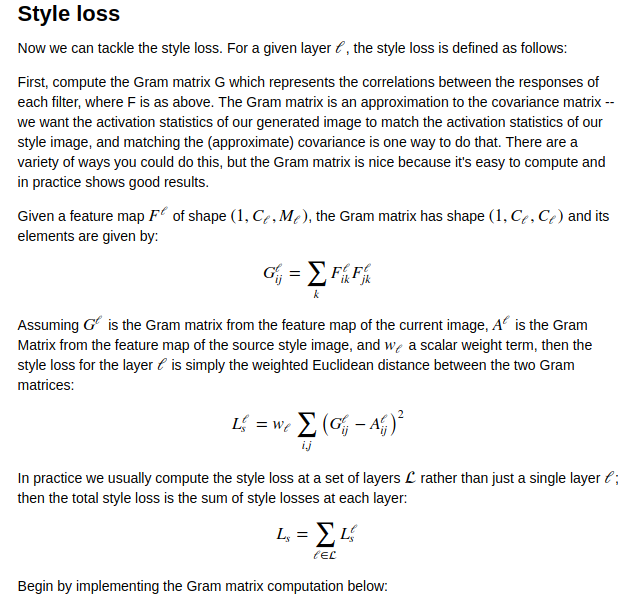


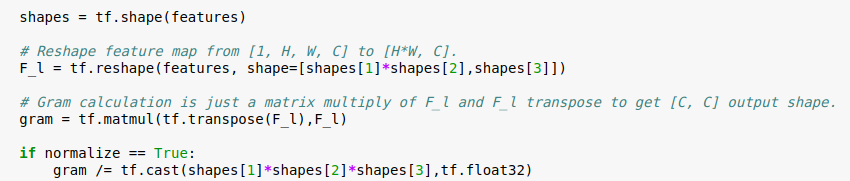
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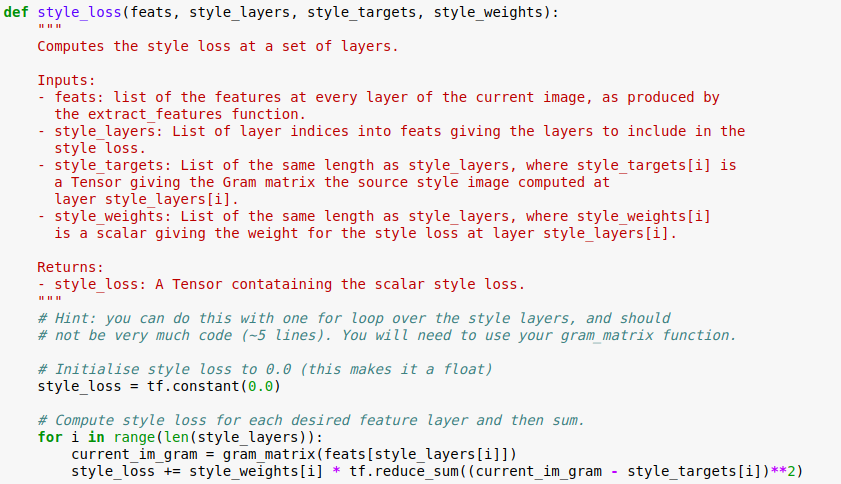


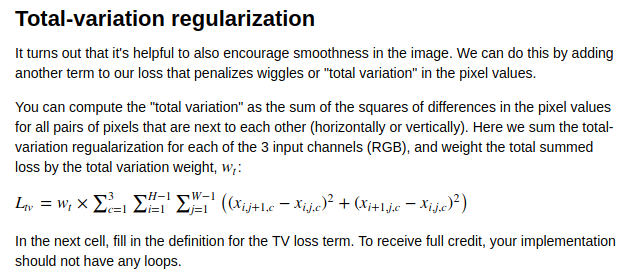


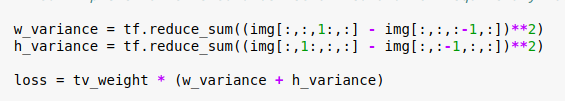


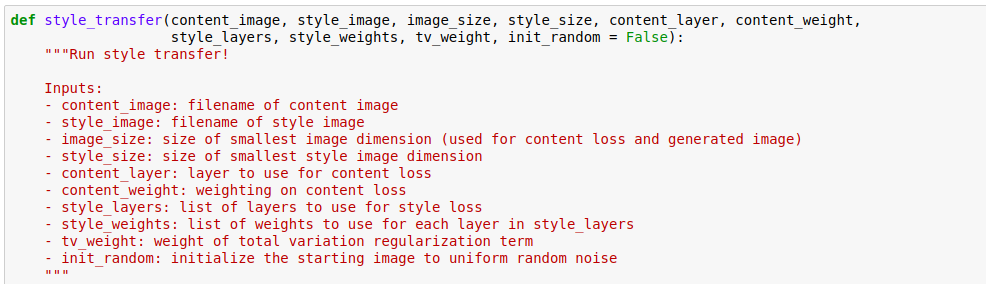


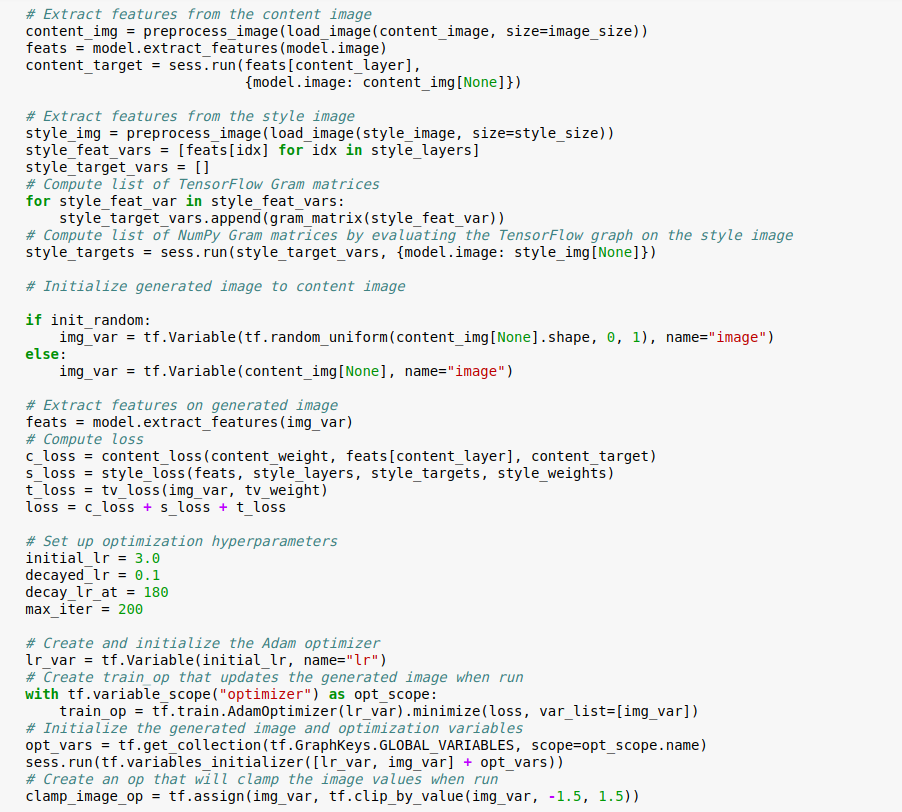


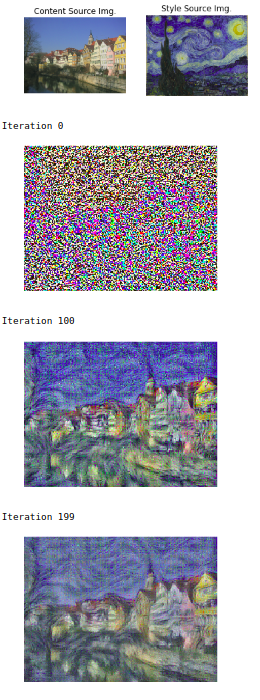
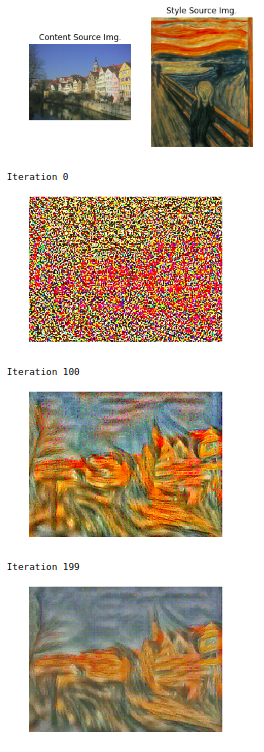
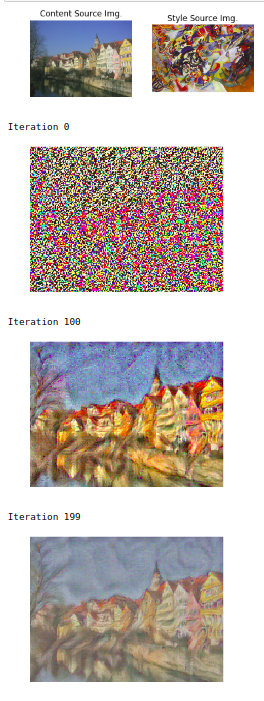


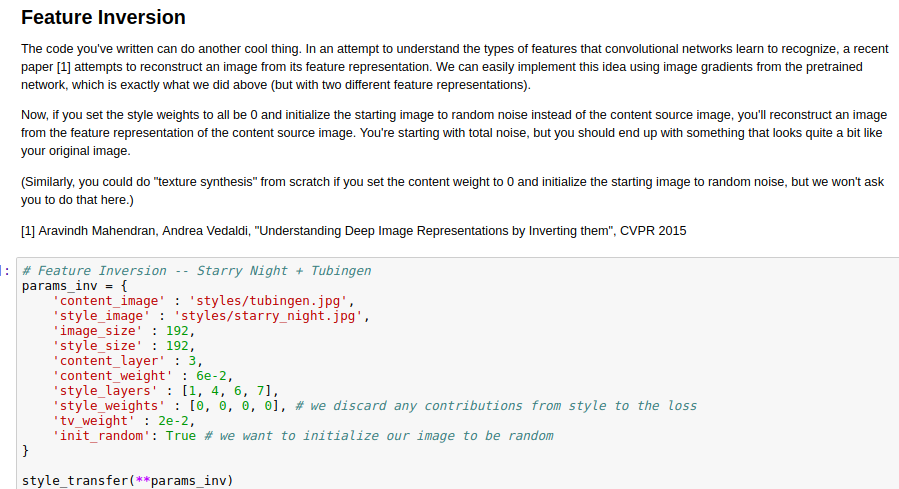


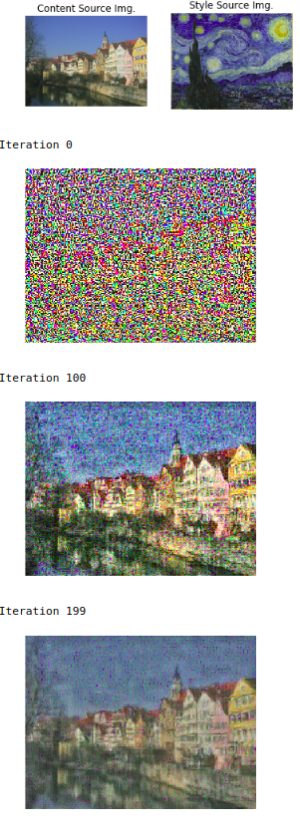




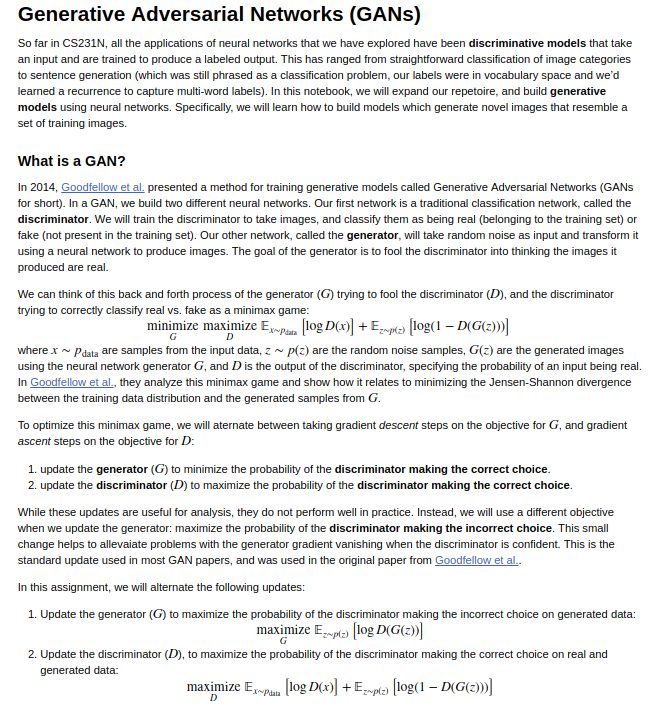


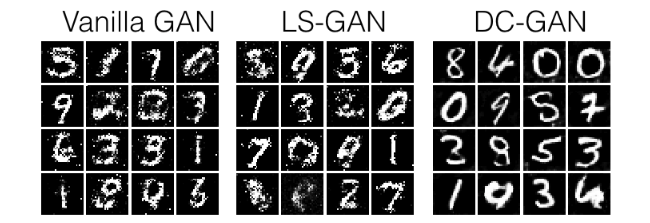






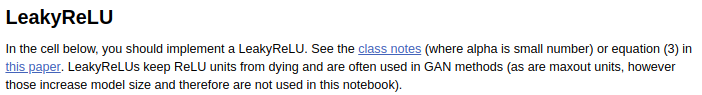
## Q5: Generative Adversarial Networks





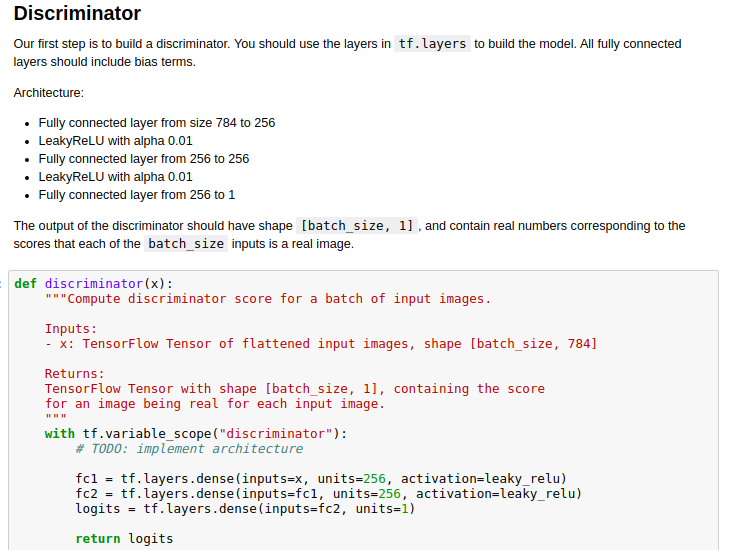
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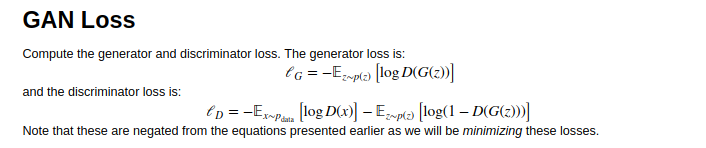
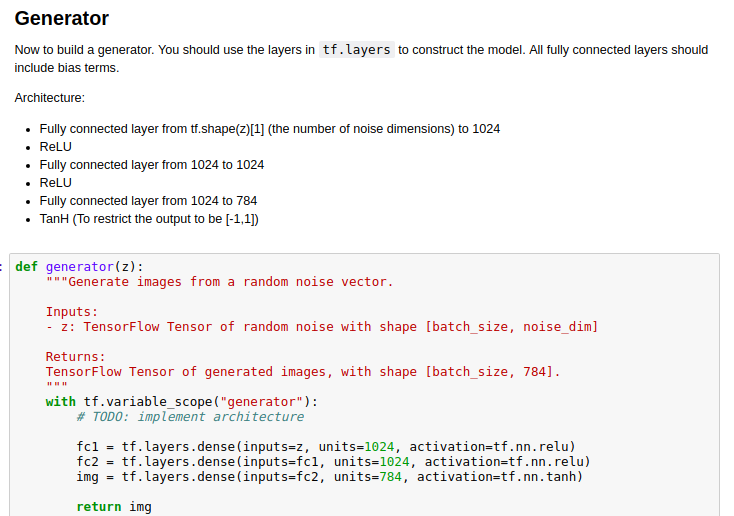


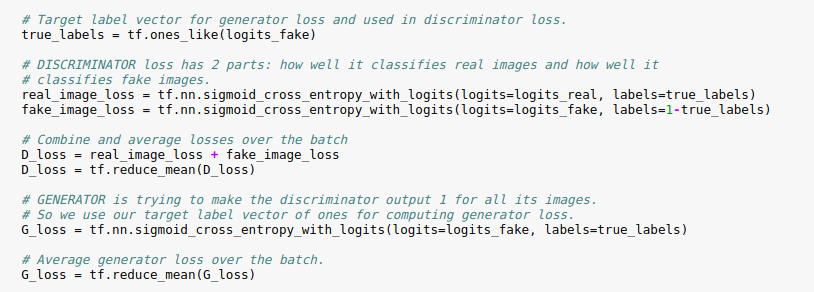


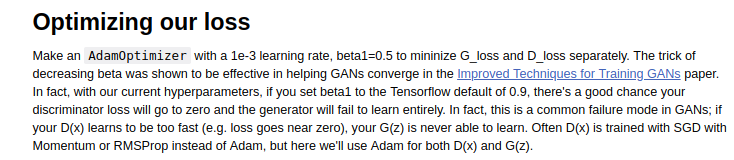
activation = tf.maximum(x,alpha\*x)





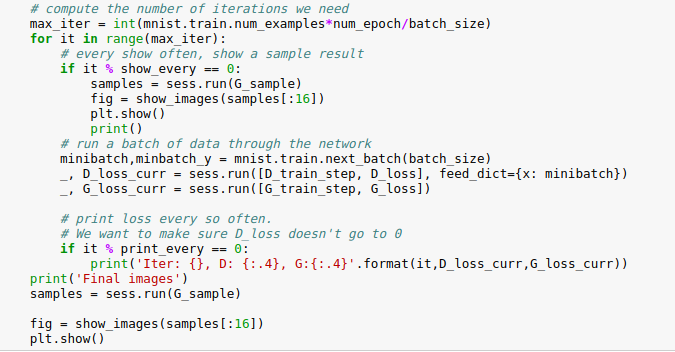


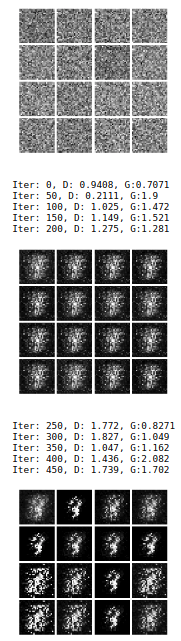
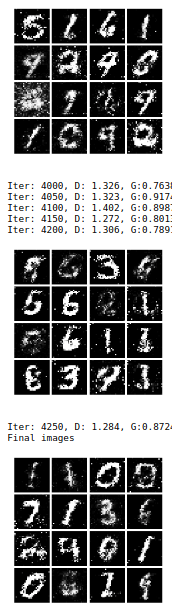


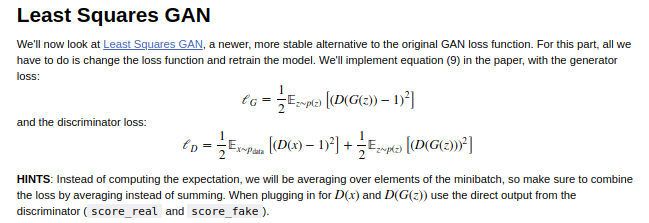


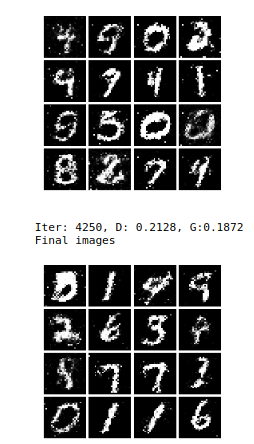
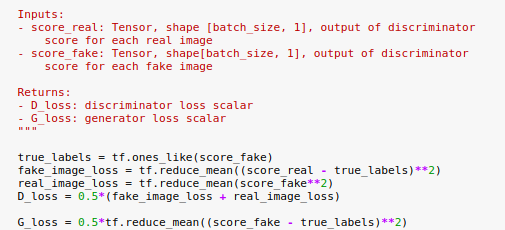






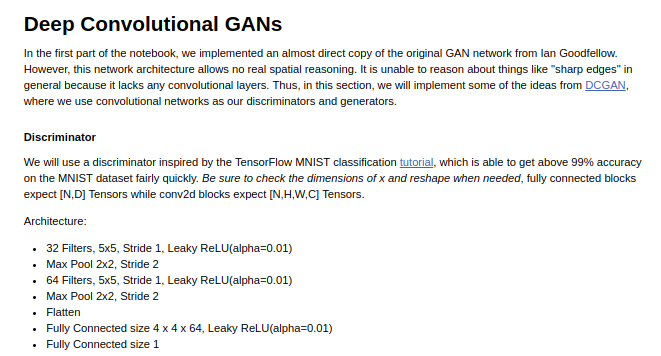
 

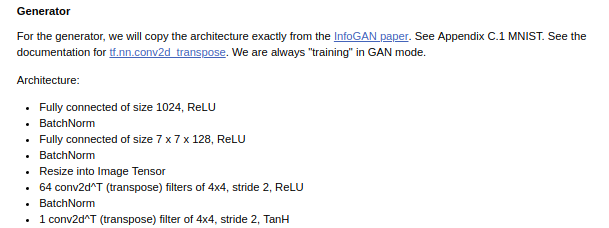




改进模型：

1.Deep Convolutional GANs





2. WGAN-GP

