Exercise 2: VAEs and GANs (10 pts)

A

Epoch #10



Epoch #20



Epoch #30

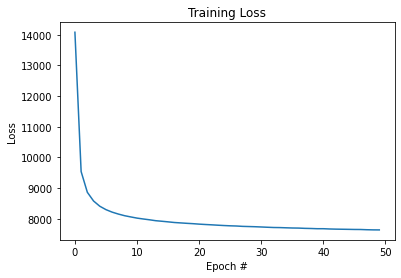


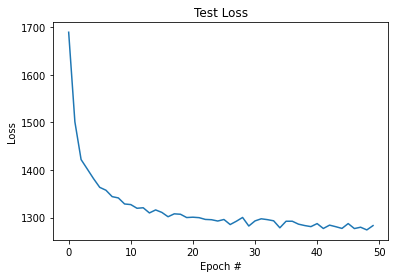
Epoch #40



Epoch #50





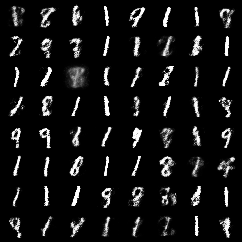


B

Epoch #10



Epoch #20



Epoch #30

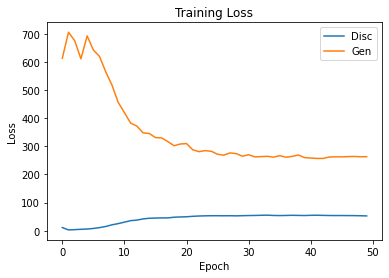


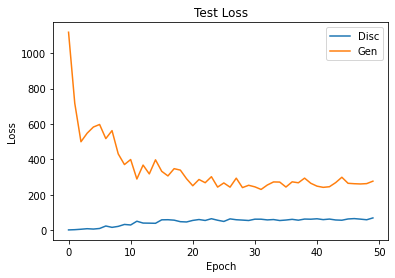
Epoch #40



Epoch #50







C

By using GANs created clearer images in comparison to VAEs. The initial GAN images produced were worse than the initial VAE images but over time got clearer. VAEs had a greater initial loss reduction but quickly flattened out over epochs. Seems that VAE are better for low iteration while GANs would be better for high iteration and time allowances.