Exercise 2: VAEs and GANs (10 pts)

A

Epoch #10

Epoch #20

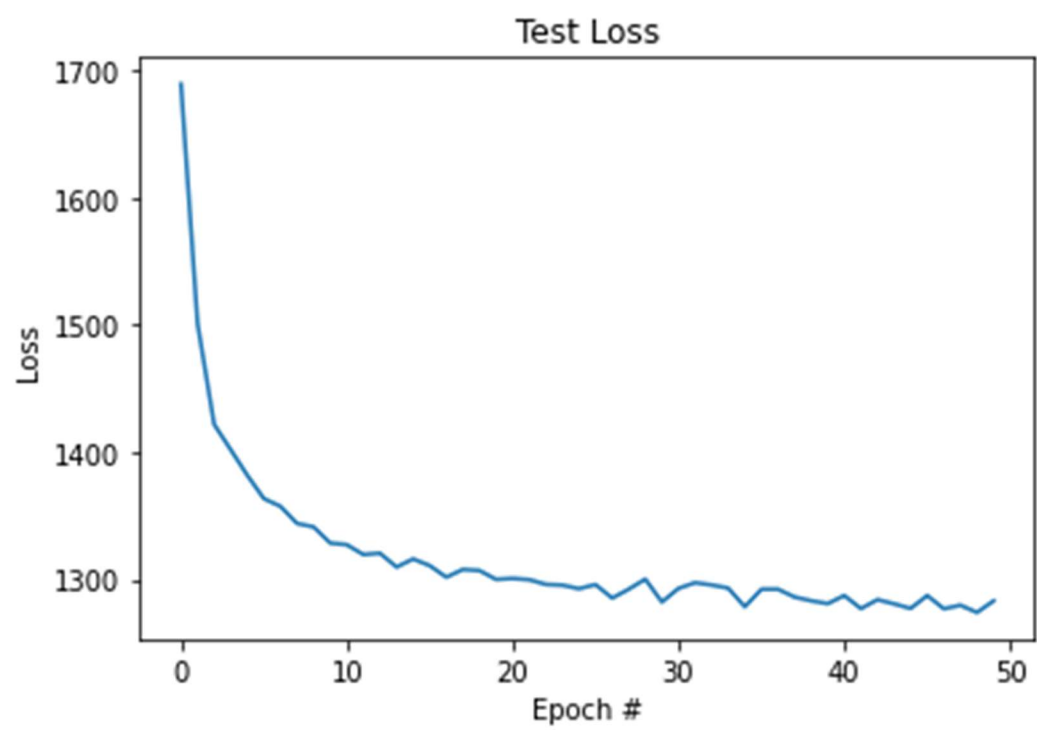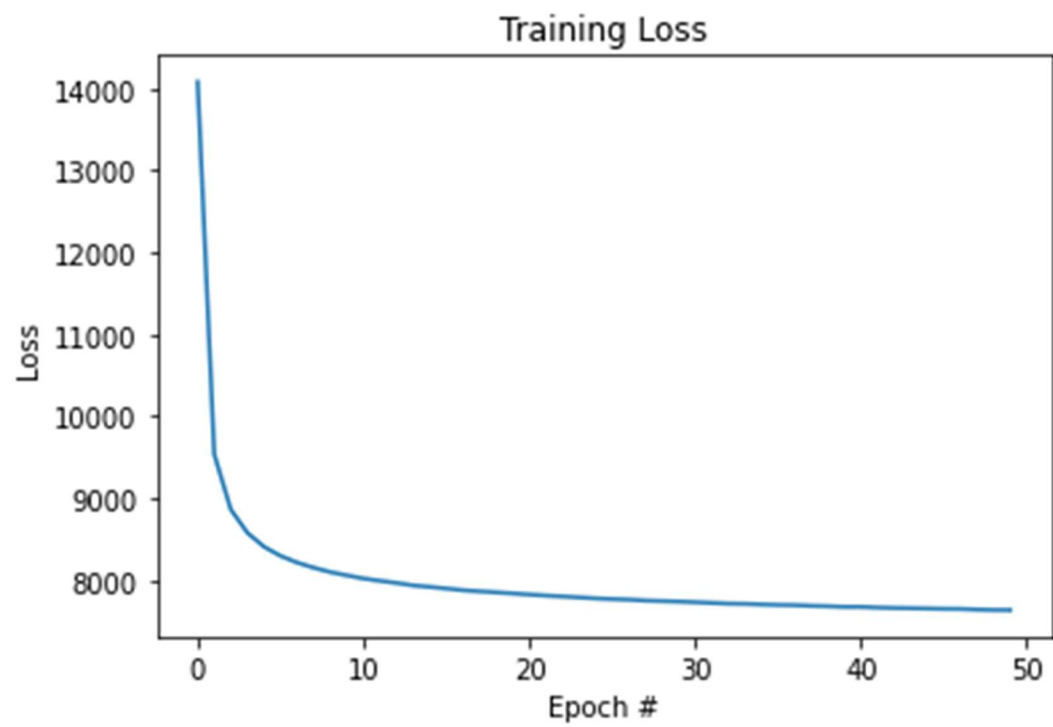Epoch #30

Epoch #40

Epoch #50

Training Loss

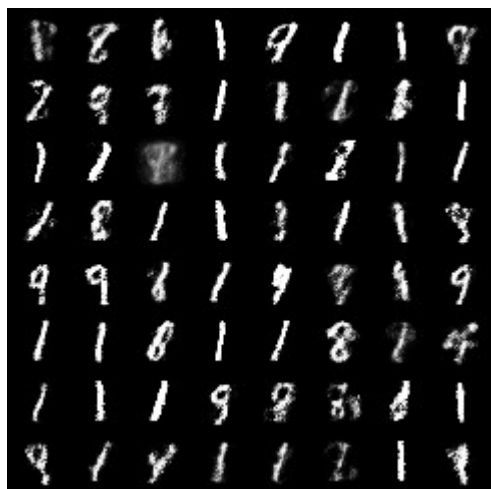## Test Loss

B

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Epoch #10
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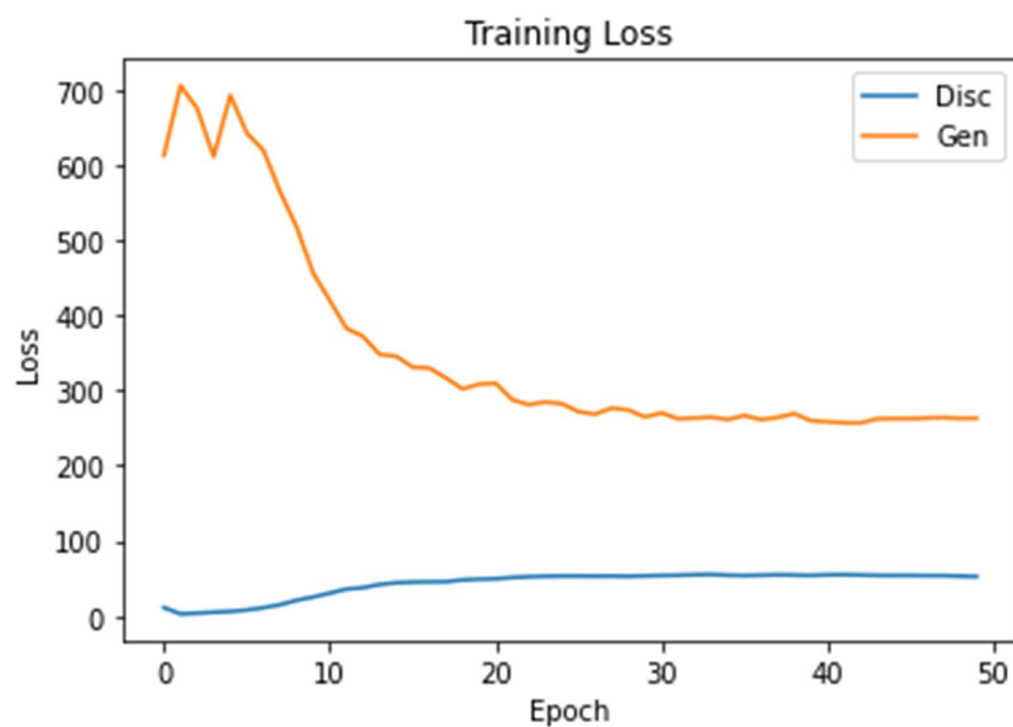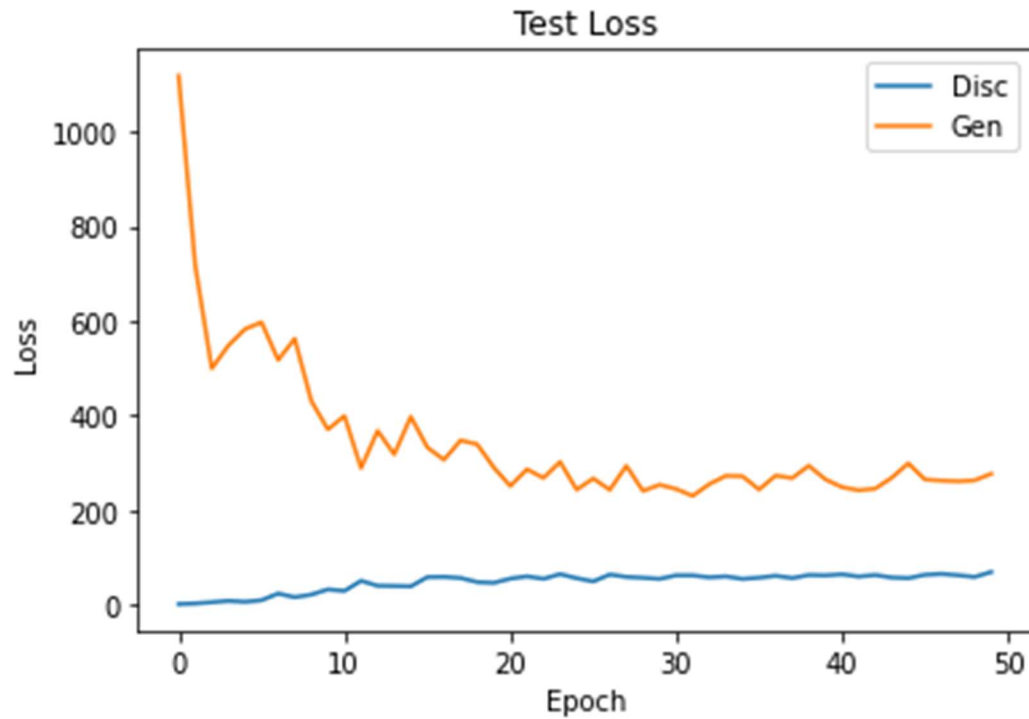
Epoch #20

Epoch #30

Epoch #40

Epoch #50

Training Loss

Test Loss

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.