

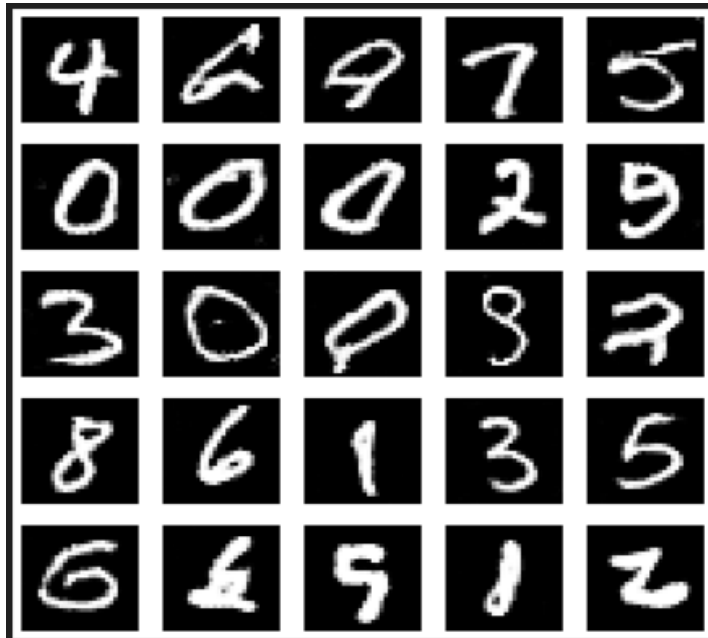
## Training GAN

Using Latent dimension of 110 and learning rate of 0.0005 for both generator and discriminator with Adam Optimizer.

Observation

The Generator loss tends to be higher than discriminator loss, posing the model to the risk of model collapsing

### GENERATED IMAGE



How to fix

Reducing the learning rate for both discriminator and generator, to 0.0002 and latent dimension of 100 with Adam optimizer

This tends to be better as the generator loss tend to be lower than the discriminator in most cases. This shows that the generator is improving.

|   |   |   |   |   |
|---|---|---|---|---|
| 4 | 8 | 0 | 9 | 5 |
| 6 | 7 | 5 | 3 | 6 |
| 2 | 0 | 7 | 6 | 8 |
| 0 | 9 | 1 | 5 | 1 |
| 2 | 9 | 1 | 1 | 1 |