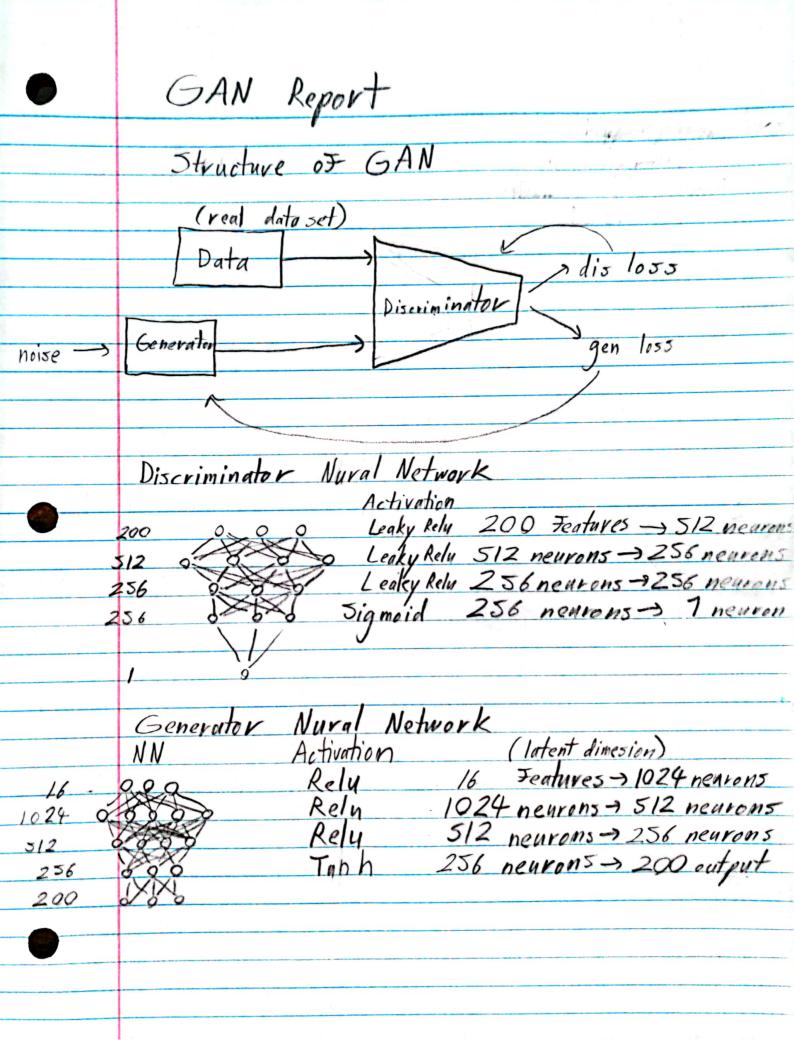
```
Distrminator model:
 Discriminator(
   (Discriminator): Sequential(
     (0): Linear(in_features=200, out_features=512, bias=True)
     (1): LeakyReLU(negative_slope=0.2)
     (2): Linear(in features=512, out features=256, bias=True)
     (3): LeakyReLU(negative_slope=0.2)
     (4): Linear(in_features=256, out_features=256, bias=True)
     (5): LeakyReLU(negative_slope=0.2)
     (6): Linear(in_features=256, out_features=1, bias=True)
     (7): Sigmoid()
  )
 )
 Generator model:
 Generator(
  (Generator): Sequential(
     (0): Linear(in_features=16, out_features=1024, bias=True)
     (2): Linear(in_features=1024, out_features=512, bias=True)
    (3): ReLU()
     (4): Linear(in features=512, out features=256, bias=True)
     (5): ReLU()
     (6): Linear(in_features=256, out_features=200, bias=True)
     (7): Tanh()
 )
Image
```

Loss

Epoch: [199/200], Batch: 89, Discriminator loss: 0.6902265548706055, Generator loss: 0.6802454590797424



Hyper parameters
Number of epochs 200

Generator Discriminator
Optimizer i Adam Optimizer i Adam
Learning Late: 0.0005 Learning rate: 0.0005

Beta 10: 0.5 Beta 1: 0.5

Beta 2: 0.999 Beta 2: 0.919

Loss Function: Loss Function:
Binary Cross Entropy Binary Cross Entropy
Latent Dimension: 16

```
VAE model:
 VAE(
   (fc1): Linear(in_features=200, out_features=512, bias=True)
   (fc2): Linear(in_features=512, out_features=256, bias=True)
   (fc31): Linear(in features=256, out features=16, bias=True)
   (fc32): Linear(in_features=256, out_features=16, bias=True)
   (fc4): Linear(in features=16, out features=256, bias=True)
   (fc5): Linear(in_features=256, out_features=512, bias=True)
  (fc6): Linear(in features=512, out features=200, bias=True)
Image
Reconstruction
Synthesized
Loss
```

Epoch: [34/35], Batch: 89, loss: -3409.102294921875

