Experiment 1:-

1. Dataset:- CelebA and annotations 5K images
2. Mdoel:- Resnet 50
3. Accuracy thereshold = 0.2
4. Learning Rate:- 1e-2
5. Accuracy=84.21
6. Minibatch Size=4
7. Epoch=10
8. Rest of the images are in EXP 1 folder.

Experiment 2:-

1. Dataset:- Same.
2. Model:- Same
3. Accuracy:-
   1. Thresh=0.2
   2. Thresh=0.5
   3. F\_score=0.2(Thresh)
4. Batch\_size=8
5. GPU\_Usage= Only 2% (Maybe small batch\_size)
6. Epochs:- 10 (Divided into two parts 5 each)= 1 hr
7. Learning rate for entire training=1e-5
8. Learning rate for the last layer=1e-1

Experiment 3:-

1. Batch\_Size=32
2. CPU Usage:- 4% average (BS can be increased more)
3. Epochs:- 10 (5 rounds each)
4. Time:- 34 mins
5. Learning rate last layer:- 3.98E-02
6. Learning rate entire network:- 2.29 e-6

Experiment 4:-

1. Dataset:- 50 K images
2. Epochs:- 5
3. Learning rate :- See image
4. Metrics:- See image
5. Time taken:- 200 mins on NVIDIA 940 MX