

Deep Learning

Assignment-01

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Q1:-

Output:-

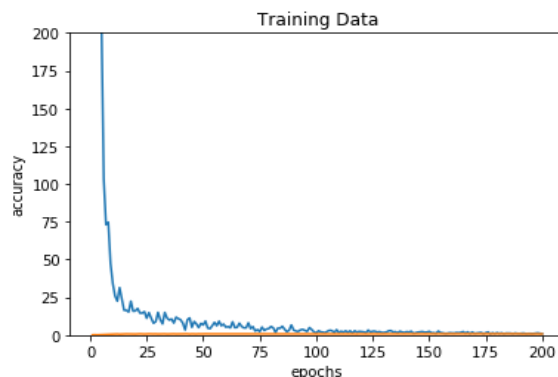
```
E:\STUDY\ACADEMIC\6th sem\DL\Assignment\Assignment-1_Datasets\Q1>python XOR_q1.py
Loss: 0.09791383599066217
Predicted Output: [0.85882347 0.14863962 0.14957455 0.81692422]
Real Output: [1 0 0 1]
Accuracy %: 100.0
```

```
E:\STUDY\ACADEMIC\6th sem\DL\Assignment\Assignment-1_Datasets\Q1>python XOR_q1.py
Loss: 0.9953152474780028
Predicted Output: [0.50337045 0.50583478 0.48279231 0.49037553]
Real Output: [1 0 0 1]
Accuracy %: 50.0
```

Q2:-

```
print('Test loss: %f accuracy: %f' % (test_loss, test_accuracy))
sess.close()
```

```
0.8151322
Test loss: 33.133175 accuracy: 0.175439
```



Q3:-

```
Epoch: 0/2 | Current loss: 1.0513461828231812 | Training accuracy: 57.7102
```

```
Epoch: 1/2 | Current loss: 0.8397247791290283 | Training accuracy: 65.8421
Time taken: 384.22162904261717
```

```
Test accuracy is 1.4551%
```