Main Results are:

Digital Recognition Data Set:

|  |  |
| --- | --- |
| Number of Iterations | 200 |
| Number of hidden layer | 1 |
| Number of nodes in hidden layer | 10 |
| Learning rate | 1e-5 |
| Weight optimizer | Lbfgs |
| Activation function | identity |

The result on the test set was: 93.3%

Amazon Baby Review Data Set:

|  |  |
| --- | --- |
| Number of Iterations | 200 |
| Number of hidden layer | 1 |
| Number of nodes in hidden layer | 3 |
| Learning rate | 1e-5 |
| Weight optimizer | Lbfgs |
| Activation function | identity |

The result on the test set was: 67%