

## Outputs

**Error percentage on training set = 0.0344**

### ▼ TERMINAL

```
Current iteration: 15087
Current error: 0.000518257747548

Current iteration: 15088
Current error: 4.23384896389e-05

Current iteration: 15089
Current error: 4.21424285355e-05

Current iteration: 15090
Current error: 4.19550924452e-05

Current iteration: 15091
Current error: 0.000387483005674

Current iteration: 15092
Current error: 0.0446913287168

Current iteration: 15093
Current error: 4.8132011441e-05

Current iteration: 15094
Current error: 0.000397832583524

Current iteration: 15095
Current error: 0.000484793069497

Current iteration: 15096
Current error: 4.90288115085e-05

Current iteration: 15097
Current error: 1.78694742726e-05

Current iteration: 15098
Current error: 4.88750319209e-05

Current iteration: 15099
Current error: 4.86388891381e-05

Data has converged at the 15100th run.
Neural network is done training! Hit enter to validation processing.
Error percentage on training set: 0.0344
█
```

**Error percentage on validation set = 4e-05**

✓ **TERMINAL**

```
Current iteration: 287
Current error: 0.000394883841315

Current iteration: 288
Current error: 0.000576582017539

Current iteration: 289
Current error: 4.81667087308e-05

Current iteration: 290
Current error: 0.000493113266963

Current iteration: 291
Current error: 4.81810553477e-05

Current iteration: 292
Current error: 0.000485116559669

Current iteration: 293
Current error: 0.000481777580961

Current iteration: 294
Current error: 2.17052572222e-05

Current iteration: 295
Current error: 4.81646691692e-05

Current iteration: 296
Current error: 4.81633999125e-05

Current iteration: 297
Current error: 0.000388252264926

Current iteration: 298
Current error: 0.00017203832369

Current iteration: 299
Current error: 0.000598206175941

Data has converged at the 300th run.
Neural network is done validating! Hit enter to test it.
Error percentage on validation set: 4e-05
```

**Error percentage on testing set = 0.0221**

## ▼ TERMINAL

Current iteration: 800  
Current Error: 4.81648610593e-05

Current iteration: 801  
Current Error: 4.81633389485e-05

Current iteration: 802  
Current Error: 0.00048473836907

Current iteration: 803  
Current Error: 4.81694959345e-05

Current iteration: 804  
Current Error: 0.000486051140516

Current iteration: 805  
Current Error: 8.39491987249e-05

Current iteration: 806  
Current Error: 0.000460673098717

Current iteration: 807  
Current Error: 4.81633112389e-05

Current iteration: 808  
Current Error: 4.81657945925e-05

Current iteration: 809  
Current Error: 0.000487434674839

Current iteration: 810  
Current Error: 0.000479846416206

Current iteration: 811  
Current Error: 4.81645629815e-05

Current iteration: 812  
Current Error: 0.000403101150563

Testing done! Check out the generated output files ('testing\_err.txt' and 'testing\_err.csv')  
Error percentage on testing set: 0.0221402214022  
(nv27) akshita@akshita:~/source % █