

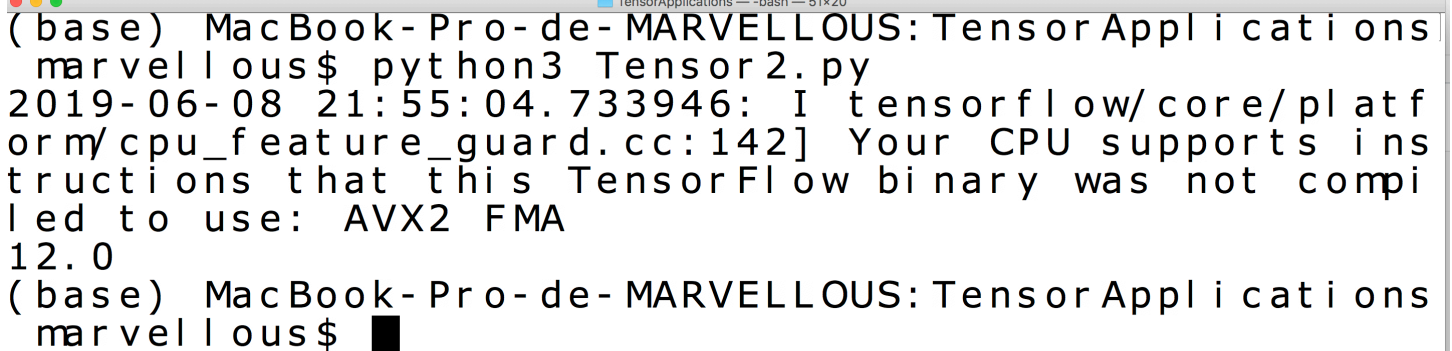
Deep Learning

Application 1

TensorFlow application which creates two nodes which are constant and perform multiplication operation and run it with the session.

```
1 import tensorflow as tf
2
3 #Build computational graph
4 node1 = tf.constant(3.0, tf.float32)
5 node2 = tf.constant(4.0, tf.float32)
6
7 output = node1 * node2
8
9 # Run computational graph
10 sobj = tf.compat.v1.Session()
11 print(sobj.run(output))
12
13 sobj.close()
14
```

Output of above application



```
(base) MacBook-Pro-de-MARVELLOUS:TensorApplications
marvellous$ python3 Tensor2.py
2019-06-08 21:55:04.733946: I tensorflow/core/platform/cpu_feature_guard.cc:142] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2 FMA
12.0
(base) MacBook-Pro-de-MARVELLOUS:TensorApplications
marvellous$ █
```