

```
1 import tensorflow as tf
2
3 # define the computational graph
4 W = tf.Variable(10.0)
5 b = tf.Variable(-1.0)
6 x = tf.placeholder(tf.float32)
7 linear_model = W * x + b
8
9 sess = tf.Session()
10 sess.run(tf.global_variables_initializer())
11 print( sess.run(linear_model, {x:[1,2,3,4]}) )
```