```
1  import tensorflow as tf
2  import tensorflow.contrib.eager as tfe
3  tfe.enable_eager_execution()
4
5  X = tf.constant([[1,1,1],[2,2,2]])
6  print(X)
7  # tf.Tensor(
8  # [[1 1 1]
9  # [2 2 2]], shape=(2, 3), dtype=int32)
10
11 XtX = tf.matmul(tf.transpose(X), X)
12 print(XtX)
13 # tf.Tensor(
14 # [[5 5 5]
15 #  [5 5 5]
16 #  [5 5 5]], shape=(3, 3), dtype=int32)
```