## Chapter\_2\_Section\_2\_Evaluating\_Ops

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## 1 Ch 02: Concept 02

## 1.1 Evaluating ops

Import TensorFlow:

```
In [1]: import tensorflow as tf
    Start with a 1x2 matrix:
In [2]: x = tf.constant([[1, 2]])
    Let's negate it. Define the negation op to be run on the matrix:
In [3]: neg_x = tf.negative(x)
```

It's nothing special if you print it out. In fact, it doesn't even perform the negation computation. Check out what happens when you simply print it:

```
In [4]: print(neg_x)
Tensor("Neg:0", shape=(1, 2), dtype=int32)
```

You need to summon a session so you can launch the negation op:

## 2 Creating tensors