## ✓ Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE 95.83%

## **Tensors and Gradient Tape**

LATEST SUBMISSION GRADE

95.83%

1. A *Tensor* is a flexible data structure that can hold data in a variety of different ways. ○ False

1/1 point

True



2. A Tensor can be a vector, matrix or multi-dimensional array but not a scalar

1/1 point

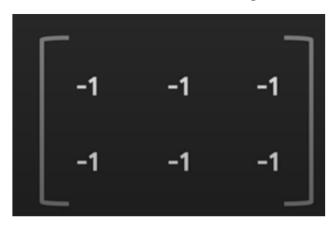
- True
- False

✓ Correct

Correct! A tensor can be a scalar

3. You want to create a tensor object that is a 2 by 3 matrix containing all -1 values. You also want to be able to modify the values inside the tensor in the future. Which of the following lines of code should you use? Check all that are true.

0.75 / 1 point



tf.Variable([[-1, -1, -1], [-1, -1, -1]], tf.int32)



Correct!

- tf.constant([-1, -1, -1, -1, -1], shape=[2, 3])
- tf.Variable([-1, -1, -1, -1, -1], tf.int32, shape=[2,3])
- tf.Variable([[-1, -1, -1], [-1, -1, -1]], shape=[2, 3])

You didn't select all the correct answers

