## Congratulations! You passed!

def call(self, inputs):

return tf.matmul(inputs, self.w) + self.b

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

Go to next item

1.	Lambda layer allows to execute an arbitrary function only within a Sequential API model.  True  False	1 / 1 point
	● False  ✓ Correct Correct!	
2.	Which one of the following is the correct syntax for mapping an increment of 2 to the value of "x" using a Lambda layer? (tf = Tensorflow)	1/1 point
	tf.keras.Lambda(x: tf.math.add(x, 2.0))	
	tf.keras.layers.Lambda(x: tf.math.add(x, 2.0))	
	tf.keras.layers(lambda x: tf.math.add(x, 2.0))	
	(Iambda x: tf.math.add(x, 2.0))	
	○ Correct     Correct!	
3.	One drawback of Lambda layers is that you cannot call a custom built function from within them.	1 / 1 point
	○ True	
	False	
	○ Correct     Correct!	
4.	A Layer is defined by having "States" and "Computation". Consider the following code and check all that are true:	1/1 point
	class SimpleDense(Layer):	
	<pre>definit(self, units=32):     super(SimpleDense, self)init()     self.units = units</pre>	
	<pre>def build(self, input_shape):     w_init = tf.random_normal_initializer()     self.w = tf.Variable(name="kernel",</pre>	
	<pre>dtype='float32'), trainable=True)</pre>	
	<pre>b_init = tf.zeros_initializer() self.b = tf.Variable(name="bias",</pre>	

You use def build(self, input\_shape): to create the state of the layers and specify local input states.

```
    ✓ Correct
        Correct!
        In def __init__(self, units=32): you use the super keyword to initialize all of the custom layer attributes
        def call(self, inputs): performs the computation and is called when the Class is instantiated.
```

After training, this class will return a w\*X + b computation, where X is the input, w is the weight/kernel tensor with trained values, and b is the bias

Consider the following code snippet.

tensor with trained values.

1/1 point

What are the function modifications that are needed for passing an activation function to this custom layer implementation?

