GRADE 100%

Custom Layers LATEST SUBMISSION GRADE 100% 1/1 point 1. Lambda layer allows to execute an arbitrary function only within a Sequential API model. False O True ✓ 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? O tf.keras.layers.Lambda(x: tf.math.add(x, 2.0)) O tf.keras.Lambda(x: tf.math.add(x, 2.0)) tf.keras.layers.Lambda(lambda x: tf.math.add(x, 2.0)) () tf.keras.layers(lambda 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 O True False 4. A Layer is defined by having "States" and "Computation". Consider the following code and check all that are true: 1/1 point lass SimpleDense(Layer): def __init__(self, units=32):
 super(SimpleDense, self).__init__()
 self.units = units def call(self, inputs):
 return tf.matmul(inputs, self.w) + self.b In def __init__(self, units=32): you use the super keyword to initialize all of the custom layer attributes 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 tensor with trained values. ✓ You use def build(self, input_shape): to create the state of the layers and specify local input states. ✓ Correct Correct! def call(self, inputs): performs the computation and is called when the Class is instantiated. 5. Consider the following code snippet. 1/1 point lass SimpleDense(Layer): def __init__(self, units=32): super(SimpleDense, self).__init__()
self.units = units

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

✓ Correct!

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

