## TO PASS 80% or higher

LATEST SUBMISSION GRADE 100%

**Custom Layers** 

| 1 1 | 00 70   |           |
|-----|---|-----------|
| 1.  | Lambda layer allows to execute an arbitrary function only within a Sequential API model.  True  False   | 1/1 point |
|     | ✓ 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)  tf.keras.layers.Lambda(lambda x: tf.math.add(x, 2.0))  True                                     | 1/1 point |
|     | False   |           |
|     | ✓ Correct Correct!  |           |
| 4.  | A <i>Layer</i> is defined by having "States" and "Computation". Consider the following code and check all that are true:  | 1/1 point |
|     | <pre>self.b = tf.Variable(name="bias",</pre>  |           |
|     | def call(self, inputs): performs the computation and is called when the Class is instantiated.  |           |
|     | You use def build(self, input_shape): to create the state of the layers and specify local input states.   |           |
|     | <pre>class SimpleDense(Layer):  definit(self, units=32):     super(SimpleDense, self)init()     self.units = units  def build(self, input_shape):     w_init = tf.random_normal_initializer()     self.w = tf.Variable(name="kernel",</pre> |           |
|     |   |           |
|     |   |           |
|     | self.activation = tf.keras.activations.get(activation)  |           |
|     | def call(self, inputs):   |           |
|     | return self.activation(tf.matmul(inputs, self.w) + self.b)  |           |
|     | definit(self, units=32): .  |           |
|     | self.activation = tf.keras.activations.get(activation)  |           |
|     | def call(self, inputs):   |           |
|     | return self.activation(tf.matmul(inputs, self.w) + self.b)  o definit(self, units=32, activation=None):   |           |
|     |   |           |
|     | self.activation = tf.keras.activations.get(activation)  |           |
|     | def call(self, inputs): return self.activation(tf.matmul(inputs, self.w) + self.b)  |           |
|     | ✓ Correct Correct!  |           |