## Congratulations! You passed!

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Go to next item

• What is the correct syntax for the first layer in a convolutional neural network that takes an MNIST (28x28 monochrome) input?		1/1 point
	ape: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'}));	
1 model.add(tf.layers.conv({inputShape	e: (28, 28, 1), kernelSize: 3, filters: 8, activation: 'relu'}));	
<pre>1 model.add(tf.layers.conv2d({inputSha}))</pre>	ape: [28, 28], kernelSize: 3, filters: 8, activation: 'relu'}));	
<pre>1 model.add(tf.layers.conv({inputShape</pre>	e: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'}));	
✓ Correct		
• What is the correct syntax for adding a maxPooling2D la	ayer to a Convolutional neural network in JavaScript?	1/1 point
<pre>1 model.add(tf.layers.maxPooling2d({po </pre>	oolSize: [2, 2]}));	
<pre>1 model.add(tf.layers.maxPooling2D({po </pre>	oolSize: [2, 2]}));	

Page 2

Week 2 Quiz | Coursera

3 2 Quiz   Coursera //www.coursera.org/learn/browser-based-models-tensorflow/exam/8niLZ/week-2-quiz/view-attempt	
Include the tfjs-vis script, set a callback in model.fit, and set it to a const that called show.fitCallbacks() on the tfvis object	
O Include the tfjs-vis script, call show.fitCallbacks() on the tfvis object	
✓ Correct	
6. If you want to see loss, validation loss, accuracy and validation accuracy on each epoch while training, how do you do this?	1/1po
Create a list containing [1, 1, 1, 1] indicating that you want those 4 values to be true and pass it to the fitCallbacks() as a parameter	
Oreate a list containing text values ["loss=true", "val_loss=true", "acc=true", "val_acc=true"] and pass it to fitCallbacks() as a parameter	
Oreate a list setting loss=true, val_loss=true, acc=true, val_acc=true, and pass it to the fitCallbacks() as a parameter	
© Create a list containing text values with the names of the analytics you want to capture, i.e. ['loss', 'val_loss', 'acc', 'val_acc'] and pass it to fitCallbacks() as a parameter	
✓ Correct	
<ul> <li>7. When using a dataset like MNIST or FashionMNIST, why is it advisable to use a sprite sheet containing all the images?</li> <li>It prevents excessive multiple HTTP calls to download the data</li> <li>It makes the data more secure</li> <li>It doesn't require any additional pre-processing</li> </ul>	1/1 po
O It keeps the data in the native JS format	
<b>⊘</b> Correct	
8. What is the role of tf.tidy() in TensorFlow.js?	1/1p
O When it is executed it clears memory for new tensors	
O It shuts down tensorflow when done, cleaning up all memory	
When it is executed, it cleans up all intermediate tensors allocated by a function except those returned by the function	
O When it is executed, it removes everything tensorflow from the browser memory and cache	
✓ Correct	