

✔ Congratulations! You passed!

Grade received 100% To pass 80% or higher

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Week 2 Quiz

Latest Submission Grade 100%

1. What is the correct syntax for the first layer in a convolutional neural network that takes an MNIST (28x28 monochrome) input?

1/1 point



```
1 model.add(tf.layers.conv2d({inputShape: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'})
```



```
1 model.add(tf.layers.conv({inputShape: (28, 28, 1), kernelSize: 3, filters: 8, activation: 'relu'})
```



```
1 model.add(tf.layers.conv2d({inputShape: [28, 28], kernelSize: 3, filters: 8, activation: 'relu'})
2
```



```
1 model.add(tf.layers.conv({inputShape: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'})
```

✔ Correct

2. What is the correct syntax for adding a maxPooling2D layer to a Convolutional neural network in JavaScript?

1/1 point



```
1 model.add(tf.layers.maxPooling2d({poolSize: [2, 2]}));
```



```
1 model.add(tf.layers.maxPooling2d({poolSize = [2, 2]}));
```



```
1 model.add(tf.layers.maxPooling2D({poolSize = [2, 2]}));
```



```
1 model.add(tf.layers.maxPooling2D({poolSize: [2, 2]}));
```

✔ Correct

3. What is the correct syntax for compiling a model with an optimizer, loss function and metrics?

1/1 point



```
1 model.compile({ optimizer = tf.train.adam(), loss = 'categoricalCrossentropy', metrics = ['accuracy'] })
```



```
1 model.compile({ tf.optimizer: tf.train.adam(), tf.loss: 'categoricalCrossentropy', tf.metrics: ['accuracy'] })
```

✔ Correct

1 / 1 point

- ✓ Correct

1 / 1 point

- ✓ Correct

1 / 1 point

- ✓ Correct

1 / 1 point

- ✓ Correct

1 / 1 point

- ✓ Correct