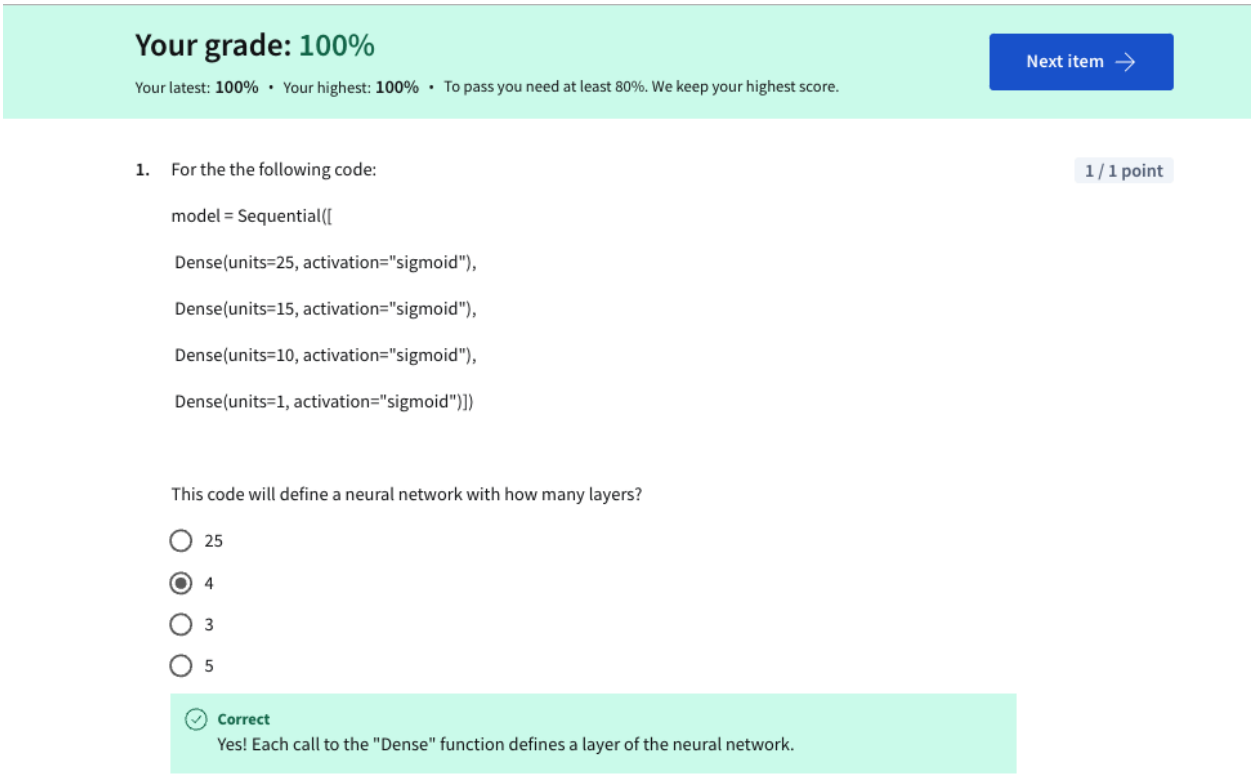
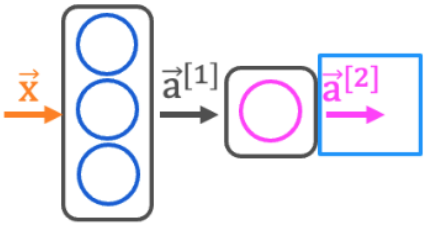
AdvancedLearningAlgorithms - WEEK 1 - QUIZ 3

Link: AdvancedLearningAlgorithms - WEEK 1 - QUIZ 3



1 / 1 point



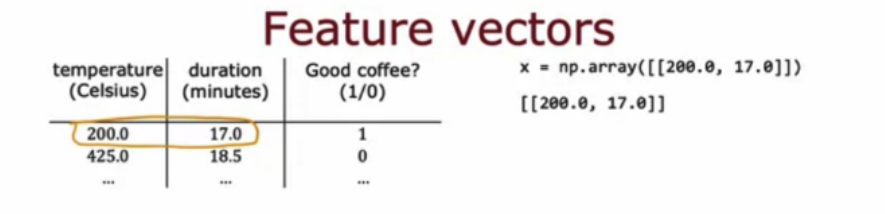

```
x = np.array([[200.0, 17.0]])
layer_1 = Dense(units=3, activation='sigmoid')
a1 = layer_1(x)


layer_2 = Dense(units=1, activation='sigmoid')
a2 = layer_2(a1)
```

2. How do you define the second layer of a neural network that has 4 neurons and a sigmoid activation?

- (●) Dense(units=4, activation='sigmoid')
- ( ) Dense(units=4)
- ( ) Dense(units=[4], activation=['sigmoid'])
- ( ) Dense(layer=2, units=4, activation = 'sigmoid')

Correct
Yes! This will have 4 neurons and a sigmoid activation.

1 / 1 point



3. If the input features are temperature (in Celsius) and duration (in minutes), how do you write the code for the first feature vector x shown above?

- ○ x = np.array([['200.0', '17.0']])
- ○ x = np.array([[200.0],[17.0]])
- ◉ x = np.array([[200.0, 17.0]])
- ○ x = np.array([[200.0 + 17.0]])

Correct
Yes! A row contains all the features of a training example. Each column is a feature.