Congratulations! You passed!

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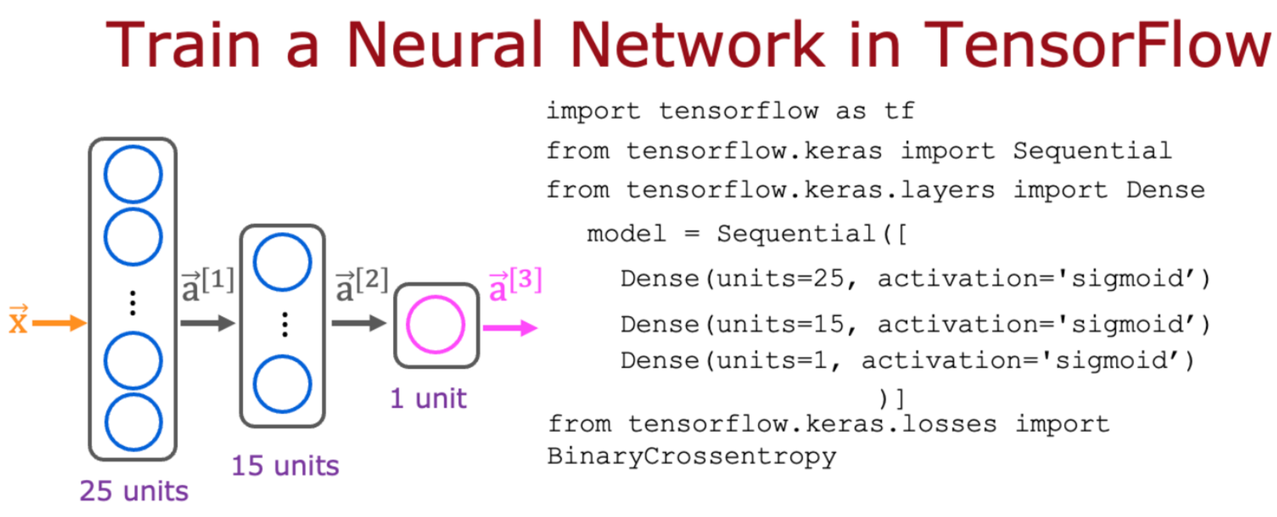
Go to next item

1.

1 / 1 point



Here is some code that you saw in the lecture:

```

model.compile(loss=BinaryCrossentropy())

```

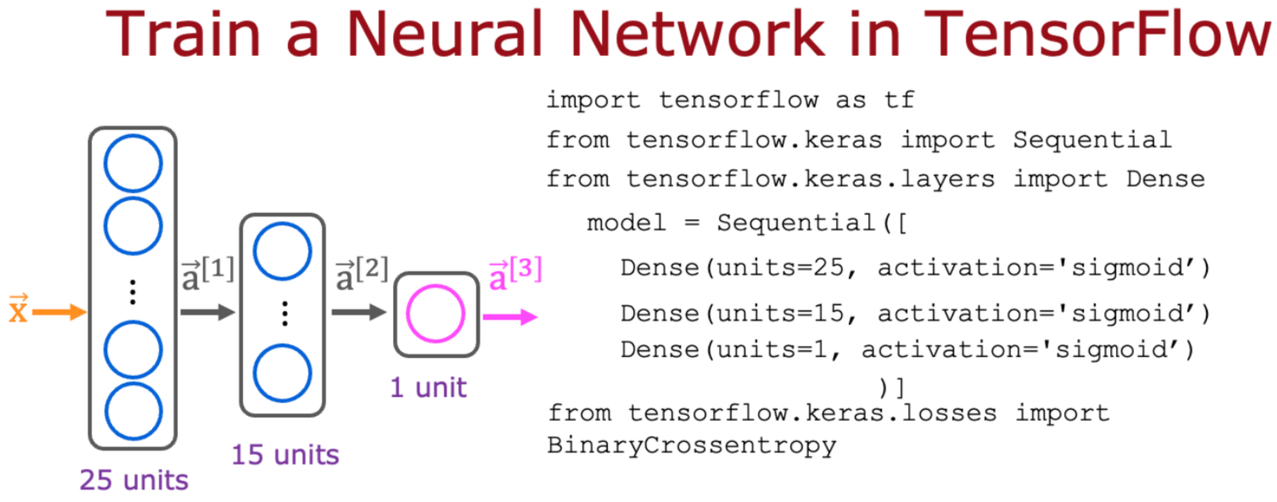
For which type of task would you use the binary cross entropy loss function?

- BinaryCrossentropy() should not be used for any task.
- A classification task that has 3 or more classes (categories)
- regression tasks (tasks that predict a number)
- binary classification (classification with exactly 2 classes)

Correct
Yes! Binary cross entropy, which we've also referred to as logistic loss, is used for classifying between two classes (two categories).

2.

1 / 1 point



Here is code that you saw in the lecture:

```

model = Sequential([

Dense(units=25, activation='sigmoid'),

Dense(units=15, activation='sigmoid'),

Dense(units=1, activation='sigmoid')

])


model.compile(loss=BinaryCrossentropy())

model.fit(X,y,epochs=100)

```

Which line of code updates the network parameters in order to reduce the cost?

- model = Sequential([...])
- model.compile(loss=BinaryCrossentropy())
- model.fit(X,y,epochs=100)
- None of the above -- this code does not update the network parameters.

Correct
Yes! The third step of model training is to train the model on data in order to minimize the loss (and the cost)