

Practice quiz: TensorFlow implementation

✓ Congratulations! You passed!

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higher

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1. For the the following code:

1 / 1 point

```
model = Sequential([  
    Dense(units=25, activation="sigmoid"),  
    Dense(units=15, activation="sigmoid"),  
    Dense(units=10, activation="sigmoid"),  
    Dense(units=1, activation="sigmoid")])
```

This code will define a neural network with how many layers?

- ☐ 25
- ☒ 4
- ☐ 3
- ☐ 5

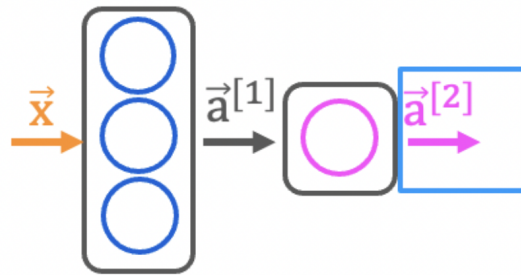


Correct

Yes! Each call to the "Dense" function defines a layer of the neural network.

2.

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)
```

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



Correct

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