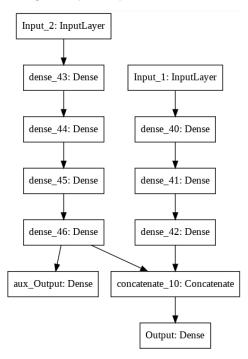
Your grade: 100%

Your latest: 100% • Your highest: 100% • To pass you need at least 80%. We keep your highest score.

Next item →

1. Following is an example of a deep and wide network structure.

1/1 point



- False
- O True
- **⊘** Correct

 $Correct!\ This\ model\ structure\ does\ not\ have\ an\ input\ path\ that\ go\ through\ a\ shallow,\ or\ a\ wide\ layer.$

2. Consider the following code and check all that are true:

1/1 point

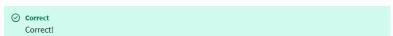
```
class MyModel(Model):
    def __init__(self, units=30, activation='relu', **kwargs):
        super().__init__(**kwargs)
        self.hidden1 = Dense(units, activation=activation)
        self.hidden2 = Dense(units, activation=activation)
        self.main_output = Dense(1)
        self.aux_output = Dense(1)

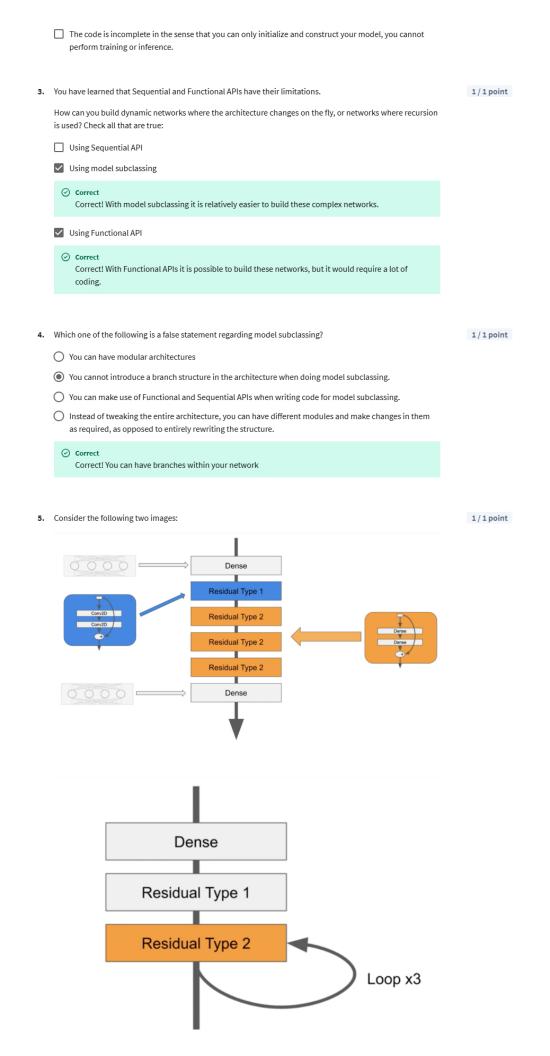
    def call(self, inputs):
        input_A, input_B = inputs
        hidden1 = self.hidden1(input_B)
        hidden2 = self.hidden2(hidden1)
        concat = concatenate([input_A, hidden2])
        main_output = self.main_output(concat)
        aux_output = self.aux_output(hidden2)
        return main_output, aux_output
```

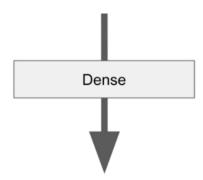
The output layers cannot give more than 1 result each.

Correct Correct! They each hold only 1 unit.

- The *concat* should be defined within the *init* function instead of the *call* function as it is also a hidden layer
- The init function initializes the MyModel Class objects, as well as the attributes that are inherited from the Model Class.







Check all that are true:

✓ Each Residual block has two hidden layers and one add layer in it.

✓ Correct
Correct!

— You loop Residual Type 2 (Dense layers) because you cannot make a loop of Conv2D layers (Residual Type 1)

✓ You make a loop of Residual Type 2 blocks because you want to reduce the depth of the network (making it less complex of an architecture)

When you make a loop of Residual Type 2 blocks, each block could have the same weights.

Ocrrect!