Congratulations! You passed!

Grade received 100% To pass 80% or higher

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Graded Quiz: Test your Project Understanding

Latest Submission Grade 100%

1. Why did we use a model pre-trained on the imagenet data instead of randomly initialized weights? **1 / 1 point**

- (●) Because in a pre-trained model, the filters have learned to get activated for specific input features and we want to visualize those input features.
- ( ) Because, in the guided project, we are training the pre-trained model to learn to recognize noisy images.

Correct
Correct!

2. We need to create a sub model, from a model called M, which takes the same input as the model M but outputs the output of an intermediate layer called L. How would we do that in tf.keras? **1 / 1 point**

( )
```
tf.keras.applications(
    model='M',
    include_top=False,
    weights='imagenet'
    layer='L'
)
```

(●)
```
)
```

Correct
Correct!

3. How can we find the maximum value of a tensor X across all axes? **1 / 1 point**

- (●) tf.math.reduce_max(X)
- ( ) tf.maximum(X)

Correct
Correct!

4. What would be the output of the following piece of code? **1 / 1 point**

```
grads = tape.gradient(z, x)
```

Please enter the integer valye only i.e. if your answer is 20.3, please enter it as 20

10

Correct
Calculate the equation for z as a function of x and then calculate the gradient at x = 2