Congratulations! You passed!
TO PASS 80% or higher
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GRADE
100%

Graded Quiz: Test Your Project Understanding
LATEST SUBMISSION GRADE

100%

1.Question 1

You have three multi-dimensional arrays X, Y and Z. Using numpy, how would you concatenate the arrays along axis 0?

1 / 1 point

○

```
np.concatenate(X, Y, Z, axis=0)
```

○

```
np.concatenate([X, Y, Z], axis=0)
```

Correct

Correct!

2.Question 2

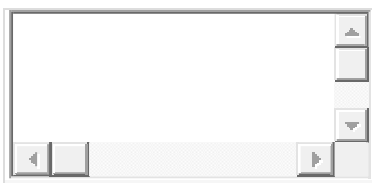Which of the following returns all the elements of a given list L, but shuffled randomly?

1 / 1 point

○

```
np.random.choice(L, replace=False)
```
1

○

```
np.random.choice(L, len(L))
```
1

○

```
np.random.choice(L, len(L), replace=False)
```
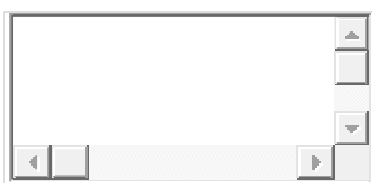1

Correct

Correct!

3.Question 3

Given the following Keras Conv2D layer:

```
Conv2D(filters=32, kernel_size=3, padding

    ='valid', input_shape=(32, 32, 3))
```
1

What would be the output shape of this layer?

1 / 1 point

○

(None, 32, 32, 32)

○
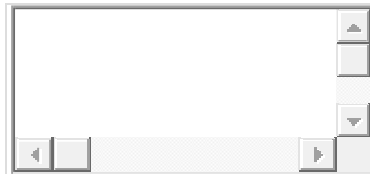
(None, 30, 30, 32)

○

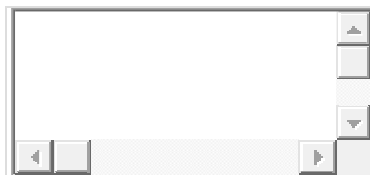(None, 32, 32, 3)

Correct

Correct!

4.Question 4

Which Keras callback would you use if you wanted to stop the training if validation loss does not decrease for 3 epochs.

1 / 1 point

○

```
tf.keras.callbacks.EarlyStopping(monitor='val_loss', patience=3)
```

○

```
tf.keras.callbacks.ModelCheckpoint(monitor='val_loss', patience=2)
```

Correct

Correct! This is what we did in Task 5 of the hands on project.

5.Question 5

How did we convert the 4D tensor output of the last convolutional block to a 2D tensor before feeding into the output layer?

1 / 1 point

○

We used a Flatten layer.

We used a GlobalAveragePooling2D layer.

Correct

Correct!