

● Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

[Go to next item](#)1. According to the lab, how many parameters did the ResNet50 pre-trained model have? 2 / 2 points

- ☐ 4,098 parameters.
- ☐ 23,951,832 parameters.
- ☐ 50 parameters.
- ☒ 23,951,712 parameters.

☐ 175 parameters.☒ Correct

Correct.

2. According to the lab, how many images were used for training? 2 / 2 points

- ☐ 25,000 images.
- ☒ 30,000 images.
- ☐ 30,000 images.
- ☐ 10,000 images.
- ☐ 25,000 images.

☒ Correct

Correct.

3. According to the lab, how many images were used for validation? 2 / 2 points

- ☐ 10,000 images.
- ☐ 5,000 images.
- ☐ 1,000 images.
- ☒ 10,000 images.
- ☐ 25,000 images.

☒ Correct

Correct.

4. According to the lab, which of the following was the correct code to define an ImageDataGenerator for the validation set? 2 / 2 points☐

```
1 data_generator = ImageDataGenerator(  
2     preprocessing_function=preprocess_input,  
3 )  
4  
5 validation_generator = data_generator.flow_from_directory(  
6     'concrete_data_week3/valid',  
7     target_size=(227, 227),  
8     batch_size=100,  
9     class_mode='categorical')
```

☐

```
6 'concrete_data_week3/valid',  
7 target_size=(224, 224),  
8 batch_size=100,  
9 class_mode='categorical')
```

☐

```
1 data_generator = ImageDataGenerator(  
2     preprocessing_function=preprocess_input,  
3 )  
4  
5 validation_generator = data_generator.flow_from_directory(  
6     'concrete_data_week3/train',  
7     target_size=(224, 224),  
8     batch_size=100,  
9     class_mode='categorical')
```

☒

```
1 data_generator = ImageDataGenerator(  
2     preprocessing_function=preprocess_input,  
3 )  
4  
5 validation_generator = data_generator.flow_from_directory(  
6     'concrete_data_week3/valid',  
7     target_size=(224, 224),  
8     batch_size=100,  
9     class_mode='categorical')
```

☒ Correct

Correct.

5. What method is used to fit a model on batches from an ImageDataGenerator? 2 / 2 points

- ☐ fit
- ☐ flow_from_directory
- ☒ fit_generator
- ☐ flow
- ☐ apply_transform

☒ Correct

Correct.