Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

You have new skill scores!

Great job! Keep learning and making progress in your courses to increase your skill scores.

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Week 3 Quiz

LATEST SUBMISSION GRADE
100%

1. What is a Convolution? — 1 / 1 point

- ○ A technique to filter out unwanted images
- ◉ A technique to isolate features in images
- ○ A technique to make images bigger
- ○ A technique to make images smaller

✓ Correct

2. What is a Pooling? — 1 / 1 point

- ○ A technique to isolate features in images
- ○ A technique to make images sharper
- ○ A technique to combine pictures
- ◉ A technique to reduce the information in an image while maintaining features

✓ Correct

3. How do Convolutions improve image recognition? — 1 / 1 point

- ○ They make the image clearer
- ○ They make processing of images faster
- ◉ They isolate features in images
- ○ They make the image smaller

✓ Correct

4. After passing a 3x3 filter over a 28x28 image, how big will the output be? — 1 / 1 point

- ○ 28x28
- ○ 31x31
- ○ 25x25
- ◉ 26x26

✓ Correct

5. After max pooling a 26x26 image with a 2x2 filter, how big will the output be? 1 / 1 point

- ○ 28x28
- ○ 26x26
- ○ 56x56
- ◉ 13x13

✓ Correct

6. Applying Convolutions on top of our Deep neural network will make training: 1 / 1 point

- ○ Slower
- ○ Stay the same
- ○ Faster
- ◉ It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!

✓ Correct