### **Session 1 Quiz**

**Due** Nov 18, 2019 at 5:30am **Points** 100 **Questions** 10 **Available** until Nov 18, 2019 at 5:30am **Time Limit** 36 Minutes

### **Instructions**

### Instructions:

- 1. You have 36 minutes to attempt the quiz
- 2. Once you start the quiz, you cannot go back and re-attempt it
- 3. You will not find answers online, so please make sure you are ready for the quiz
- 4. For Multiple Answer Questions, ALL the answers must be correct to score any point

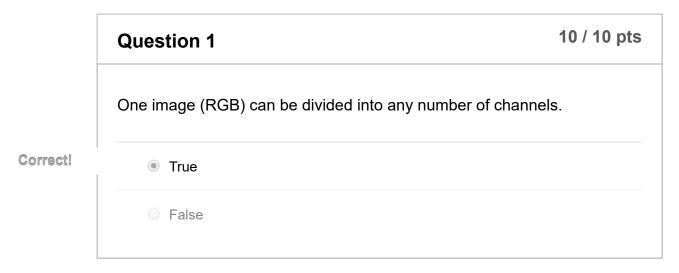
This quiz was locked Nov 18, 2019 at 5:30am.

### **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	17 minutes	100 out of 100

Score for this quiz: **100** out of 100 Submitted Nov 17, 2019 at 11:32pm

This attempt took 17 minutes.



Question 2 10 / 10 pts

Correct!

A channel generally contains the same kind of information, for example, only red color, or all the vertical edges, or all the tires found, say, in a traffic photograph.

True

False

## Question 3 10 / 10 pts Which of these mean the same thing (in the context of the last class) Correct! ✓ Kernel Correct! ✓ Filter Correct! ✓ 3x3 Matrix Correct! ✓ Feature Extractor

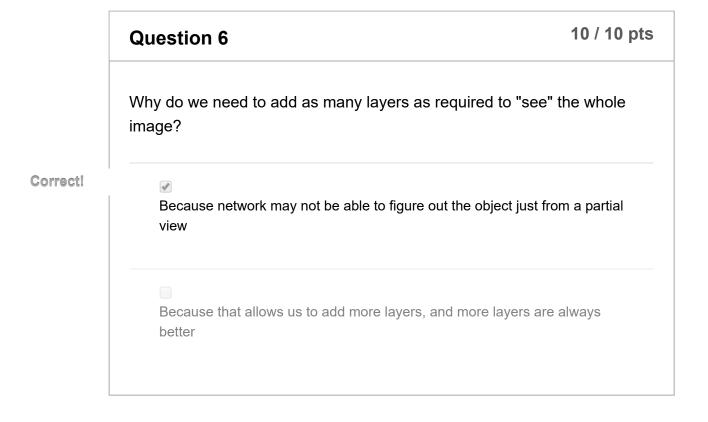
Question 4

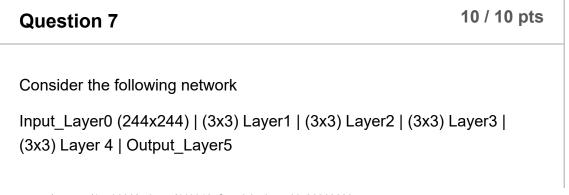
What kind of MaxPooling Generally we prefer?

2x2

3x3

## Question 5 If the size of the image is 300x300, how many 3x3 layers must we add (assume that the size of the object is equal to the size of the image) Correct! 150 10/10 pts





### What is the resolution of the Output\_Layer5? 236x236 234x234 232x232 238x238

# Consider the following network Input\_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | (3x3) Layer3 | (3x3) Layer 4 | Output\_Layer5 What is the Global Receptive Field of the whole network? Correct! 9x9 3x3 13x13

### Question 9 Consider the following network Input\_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | (3x3) Layer3 | (3x3) Layer 4 | Output\_Layer5 What is the Global Receptive Field of Layer3?

Correct!

<b>₹</b> 7x7			
□ 3x3			
9x9			

	Question 10 10 / 10 pts					
	Consider the following network  Input_Layer0 (244x244)   (3x3) Layer1   (3x3) Layer2   MaxPooling(2x2)   (3x3) Layer3   (3x3) Layer 4   Output Layer5					
	What is the resolution of the Output_Layer5?					
	✓ 116x116					
	□ 56x56					
	■ 118x118					
	□ 54x54					

Quiz Score: 100 out of 100