Quiz - Lecture 16

Due 18 Sep at 23:59   **Points** 5   **Questions** 4   **Available** 17 Sep at 9:10 - 18 Sep at 23:59 1 day
Time limit None   **Allowed attempts** Unlimited

Take the quiz again

Attempt history

	Attempt	Time	Score
KEPT	**Attempt 2**	1 minute	5 out of 5
LATEST	**Attempt 2**	1 minute	5 out of 5
	Attempt 1	less than 1 minute	3.4 out of 5

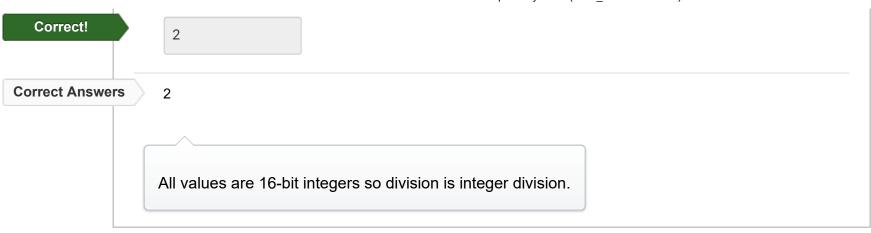Score for this attempt: **5** out of 5
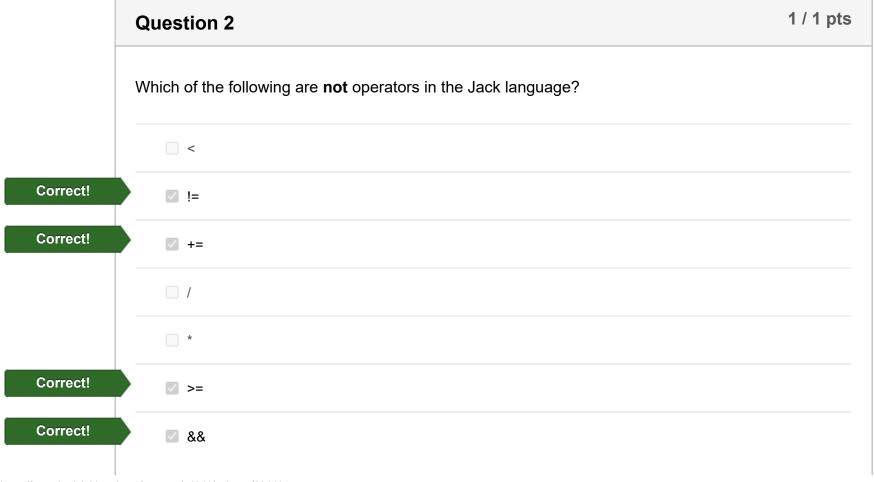Submitted 17 Sep at 20:08
This attempt took 1 minute.

Question 1	1 / 1 pts

If variable x has value 2 and y has value 2, what is the value of the following Jack expression?

$(x + 3) / (4 - y)$

Correct!

> 2

Correct Answers   2

> All values are 16-bit integers so division is integer division.

Question 2   1 / 1 pts

Which of the following are **not** operators in the Jack language?

☐ <

Correct!   ☑ !=

Correct!   ☑ +=

☐ /

☐ *

Correct!   ☑ >=

Correct!   ☑ &&

Correct!

- ☑ !

- ☐ =

- ☐ |

Question 3   2 / 2 pts

If variable x has value 2 and y has value 1, which values could result from the following Jack expression?

x + 3 * 4 - y

Correct!

- ☑ 15

Correct!

- ☑ 19

Correct!

- ☑ 11

- ☐ 17

- ☐ 5

Correct!

- ☑ 13

Operator precedence is undefined so the compiler writer can produce code that executes the operators in any one of 6 orders. However, most Jack compilers would evaluate the expression from left to right if there was a choice.

Question 4

1 / 1 pts

If you write the following call in a Jack function in class Bob:

MyClass.Useful(34,"55")

but the function MyClass.Useful was declared to take three parameters, an int, an Array and a BankAccount, what happens?

Correct!

☑ The program runs but does not work as expected

The return address will be used as the address of the BankAccount object ...

☐ The program runs and a segmentation violation occurs when the missing BankAccount parameter is accessed.

☐ The class Bob compiles but the program does not assemble correctly

☐ The class Bob does not compile

☐ The program runs and a segmentation violation occurs when "55" is used as an array

Correct!

☑ The class Bob compiles and the program assembles correctly.

Quiz score: **5** out of 5