

Week 3 pre-reading quiz

Test your knowledge for Week 3!

Question 1 *Submitted Mar 12th 2022 at 5:39:20 pm*

Which of the following is NOT a Java operator?

Note: When in doubt, try it out in IntelliJ.

☐ !=

☐ -=

☒ -<

☐ <=

☐ !

☐ ||

Question 2 *Submitted Mar 12th 2022 at 5:40:04 pm*

What does the following expression evaluate to?

☐ 4

☐ 4.0

☐ 5

☐ 5.0

☒ 4.8

Question 3 *Submitted Mar 20th 2022 at 10:33:58 pm*

If the following expression was evaluated for each integer between **10** and **150** inclusive how many times would it return true?

☐ 0

☐ 1

☐ 9

☐ 10

☒ 8

Question 4 *Submitted Mar 20th 2022 at 10:34:07 pm*

What left operand **value** and right operand **value** respectively does the multiplication operator operate on in the following expression? You can assume i has the initial value of 5.

`i-- * i--`

Hint: try it out in IntelliJ and work backwards to deduce what must have happened.

☐ 5, 5

☒ 5, 4

☐ 4, 4

☐ 4, 3

☐ 3, 3

Question 5 *Submitted Mar 20th 2022 at 10:34:10 pm*

If **d1** and **d2** are doubles with valid values, what is wrong with the following expression?

☐ Can't add a String and a boolean

☐ Can't concatenate a String and a boolean

☐ Can't compare a String and a boolean

☐ Can't compare a String and a double

☒ If you think nothing is wrong with the expression, select this option

Question 6 *Submitted Mar 20th 2022 at 10:34:20 pm*

What does the following expression evaluate to?

☒ true

☐ false

☐ The expression has a syntax error

Question 7 *Submitted Mar 20th 2022 at 10:34:32 pm*

If the value of x is 20, what does this expression evaluate in Java?

- ☐ true
- ☐ false
- ☒ It will not compile

Question 8 *Submitted Mar 20th 2022 at 10:34:41 pm*

What is the output of the following piece of code?

- ☐ 4,3,true
- ☐ 5,4,true
- ☒ 6,5,false
- ☐ 5,4,false
- ☐ 5,6,false
- ☐ 4,3,false

Question 9 *Submitted Mar 20th 2022 at 10:34:45 pm*

If a statement block is nested inside another statement block which of the following is true?

- ☐ The variables in the inner block are in scope in the outer block but the reverse is not
- ☒ The variables of the outer block are in scope in the inner block but the reverse is not
- ☐ The variables in the outer block are in scope in the inner block and the reverse is also

☐ If you think nesting blocks like this produces a syntax error in Java, select this option