

### Test: Section 3 Quiz 2 - L3-L5

Review your answers, feedback, and question scores below. An asterisk (\*) indicates a correct answer.

#### Section 3 - Quiz 2 L3-L5

(Answer all questions in this section)

1. A short data type can be promoted to which of the following types?



Mark for Review  
(1) Points

(Choose all correct answers)

- ☐ long (\*)
- ☒ byte
- ☒ int (\*)
- ☒ double (\*)
- ☐ boolean

Incorrect. Refer to Section 3 Lesson 4.

2. What is the correct way to cast a long to an int?



Mark for Review  
(1) Points

- ☒ int longToInt = (int)20L; (\*)
- ☐ int longToInt = int 20L;
- ☐ int longToInt = 20L(int);
- ☐ int longToInt = 20L;

Correct

3. A double with the value of 20.5 is cast to an int. What is the value of the int?



Mark for Review  
(1) Points

- ☒ 20 (\*)
- ☐ 20.5
- ☐ 25
- ☐ 21

Correct

4. The Java compiler automatically promotes byte, short, and chars data type values to int data type.



Mark for Review  
(1) Points

- ☐ True (\*)
- ☒ False

Incorrect. Refer to Section 3 Lesson 4.

5. When the result of an expression is assigned to a temporary memory location, what is the size of memory allocated?



Mark for Review  
(1) Points

- ☐ The size of the largest data type used in the expression. (\*)
- ☒ The size of the any data type used in the expression.

- ☐ A default size is allocated.
- ☐ The size of the smallest data type used in the expression.

 Incorrect. Refer to Section 3 Lesson 4.

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(Answer all questions in this section)

6. Which exception occurs because a String cannot be parsed as an int?



Mark for Review  
(1) Points

- ☐ NumberFormatException (\*)
- ☐ ArithmeticException
- ☐ NullPointerException
- ☒ ValueNotFoundException

 Incorrect. Refer to Section 3 Lesson 4.

7. Char data types cannot handle multiple characters.



Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

 Correct

8. In Java, char is a primitive data type, while String is an object data type.



Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

 Correct

9. char is the primitive textual data type in Java.



Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

 Correct

10. An Object cannot have String objects as properties.



Mark for Review  
(1) Points

- ☐ True

☒ False (\*)

☒ Correct

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(Answer all questions in this section)

11. The print() method prints to the console and automatically creates a line.



Mark for Review  
(1) Points

☐ True

☒ False (\*)

☒ Correct

12. Which is the correct declaration for a char data type?



Mark for Review  
(1) Points

☐ char size = "M";

☐ char size = 'Medium';

☐ char size = "Medium";

☒ char size = 'M'; (\*)

☒ Correct

13. The Scanner class accepts input in which form?



Mark for Review  
(1) Points

☒ Tokens (\*)

☐ Callables

☐ Integer

☐ Future

☒ Correct

14. The Scanner class considers space as the default delimiter while reading the input.



Mark for Review  
(1) Points

☐ True (\*)

☒ False

☒ Incorrect. Refer to Section 3 Lesson 5.

15. It's best-practice to close the Scanner stream when finished



Mark for Review  
(1) Points

- ☐ True (\*)
- ☒ False

 Incorrect. Refer to Section 3 Lesson 5.

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(Answer all questions in this section)

1. Which exception occurs because a String cannot be parsed as an int?

☐

Mark for Review  
(1) Points

- ☒ NumberFormatException (\*)
- ☐ ArithmeticException
- ☐ NullPointerException
- ☐ ValueNotFoundException

 Correct

2. The Java compiler automatically promotes byte, short, and chars data type values to int data type.

☐

Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

 Correct

3. Which two statements are true about type casting?

☐

Mark for Review  
(1) Points

(Choose all correct answers)

- ☐ Type casting changes the type of the value stored. (\*)
- ☒ Type casting cannot be performed on equations.
- ☒ Type casting retains the size of the value or the original data type.
- ☐ Type casting lowers the range of possible values. (\*)

 Incorrect. Refer to Section 3 Lesson 4.

4. A short data type can be promoted to which of the following types?

☐

Mark for Review  
(1) Points

(Choose all correct answers)

- ☒ double (\*)
- ☒ int (\*)
- ☐ byte
- ☒ long (\*)
- ☐ boolean

 Correct

5. Which is a valid way to parse a String as an int?

☐

Mark for Review  
(1) Points

- ☐ nt intVar1 = (int)"100";
- ☒ int intVar1 = Integer.parseInt("100"); (\*)
- ☐ int intVar1 = "100";
- ☐ int intVar1 = Integer.parseInt("One Hundred");

☒ Correct

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(Answer all questions in this section)

6. Automatic promotion from smaller data type to a larger data type is not allowed in Java. ☐ Mark for Review (1) Points

- ☒ True
- ☐ False (\*)

☒ Incorrect. Refer to Section 3 Lesson 4.

7. A String can be created by combining multiple String Literals. ☐ Mark for Review (1) Points

- ☒ True (\*)
- ☐ False

☒ Correct

8. An Object cannot have String objects as properties. ☐ Mark for Review (1) Points

- ☐ True
- ☒ False (\*)

☒ Correct

9. char is the primitive textual data type in Java. ☐ Mark for Review (1) Points

- ☒ True (\*)
- ☐ False

☒ Correct

10. The print() method prints to the console and automatically creates a line. ☐ Mark for Review (1) Points

- ☐ True
- ☒ False (\*)

☒ Correct

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(Answer all questions in this section)

11. What is the output?

☐ Mark for Review  
(1) Points

```
public static void main(String args[]) {  
    String greet1 = "Hello";  
    String greet2 = "World";  
    String message2 = greet1 + " " + greet2 + " " + 2016 + "!";  
    System.out.println(message2);  
}
```

- ☐ "Hello World 2016"
- ☐ Hello World
- ☐ "Hello" "World" "2016" "!"
- ☒ Hello World 2016 ! (\*)

☒ Correct

12. In Java, char is a primitive data type, while String is an object data type.

☐ Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

☒ Correct

13. You write a statement that assigns a value to a String variable as shown below.

☐ Mark for Review  
(1) Points

```
String input = "This is Java Program";
```

This way of assigning values to variables is known as hard-coding.

- ☒ True (\*)
- ☐ False

☒ Correct

14. System.in readies Scanner to collect input from the console.

☐ Mark for Review  
(1) Points

- ☒ True (\*)
- ☐ False

☒ Correct

15. Which two statements are true about the Scanner class?

☐ Mark for Review  
(1) Points

(Choose all correct answers)

- ☒ A Scanner object opens a stream for collecting input. (\*)
- ☐ A Scanner's delimiter can be changed. (\*)
- ☒ A Scanner object doesn't have fields and methods.
- ☐ Scanners cannot read text files.

☒ Incorrect. Refer to Section 3 Lesson 5.

