

Test: Section 4 Quiz 1 - L1-L2

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

Section 4 - Quiz 1 L1-L2

(Answer all questions in this section)

1. Once an object is instantiated, how might its fields and methods be accessed in Java? ☐ Mark for Review (1) Points

- ☐ Using the double-colon(::) operator
- ☐ Using the comma(,) operator
- ☐ Using the colon(:) operator
- ☒ Using the dot(.) operator (*)

☒ Correct

2. An argument is a value that's passed during a method call ☐ Mark for Review (1) Points

- ☒ True (*)
- ☐ False

☒ Correct

3. Which of the following are the arguments in the following method? ☐ Mark for Review (1) Points

```
Employee emp = new Employee();  
emp.calculateSalary(100000, 3.2, 15);
```

- ☐ 100000, 3.2, 15 (*)
- ☐ emp
- ☒ calculateSalary(100000, 3.2, 15);
- ☐ emp.calculateSalary(100000, 3.2, 15);

☒ Incorrect. Refer to Section 4 Lesson 1.

4. Which of the following two operations are appropriate for the main method? ☐ Mark for Review (1) Points

(Choose all correct answers)

- ☐ Creating instances of objects (*)
- ☒ Calling an instance object's field and methods. (*)
- ☐ Assigning memory to the variables
- ☐ Calling local variables declared within a class's method

☒ Incorrect. Refer to Section 4 Lesson 1.

5. You're designing banking software and need to store 10000 customer accounts with information on the accountholder's name, balance, and interest rate. The best approach is store 30000 separate variables in the main method. ☐ Mark for Review (1) Points

- ☒ True
- ☐ False (*)

☒ Incorrect. Refer to Section 4 Lesson 1.

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6. Which of the following scenarios would be ideal for writing a method?



Mark for Review
(1) Points

- ☐ When you don't want to repeat similar lines of code to describe an object's behavior. (*)
- ☒ For every five to six lines of code.
- ☐ When you don't find similar lines of code to describe an object's behavior.
- ☐ To group similar data types together

 Incorrect. Refer to Section 4 Lesson 1.

7. Object instantiation is done using what keyword?



Mark for Review
(1) Points

- ☒ instance
- ☐ System
- ☐ new (*)
- ☐ void

 Incorrect. Refer to Section 4 Lesson 1.

8. Which is a valid way of calling the testMethod in the TestClass? Assume a testInstance has been created.



Mark for Review
(1) Points

```
public void testMethod(int x, double y){  
    System.out.println(x/y);  
}
```

- ☐ testInstance.testMethod(3.5, 10);
- ☐ testInstance.testMethod(10);
- ☐ testInstance.testMethod(10, 3.5, 0);
- ☐ testInstance.testMethod(3.5);
- ☒ testInstance.testMethod(10, 3.5); (*)

 Correct

9. Given the import statement:
import java.awt.font.TextLayout;
which is the package name?



Mark for Review
(1) Points

- ☐ awt.font
- ☒ java.awt.font (*)
- ☐ java.awt

☐ java

☒ Correct

10. Which two are valid import statements of the Scanner class?



Mark for Review
(1) Points

(Choose all correct answers)

- ☒ import java.util;
- ☐ import java.util.*; (*)
- ☐ import java.*;
- ☐ import java.util.Scanner; (*)

☒ Incorrect. Refer to Section 4 Lesson 2.

[Previous](#) [Page 2 of 3](#) [Next](#) [Summary](#)

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11. Which of the following wild card character is used to import all the classes in a particular package?



Mark for Review
(1) Points

- ☐ !
- ☒ * (*)
- ☐ ~
- ☐ ;

☒ Correct

12. Import statements are placed above the class definition.



Mark for Review
(1) Points

- ☐ True (*)
- ☒ False

☒ Incorrect. Refer to Section 4 Lesson 2.

13. The classes of the Java class library are organized into packages.



Mark for Review
(1) Points

- ☒ True (*)
- ☐ False

☒ Correct

14. Which statement is true about packages?



Mark for Review
(1) Points

- ☒ A package contains a group of related classes. (*)
- ☐ A package makes it difficult to locate the related classes.
- ☐ Packages of the Java class library do not contain related classes.
- ☐ A package doesn't contain a group of related classes.

☒ Correct

15. Which is a risk of using fully qualified class names when importing?



Mark for Review
(1) Points

- ☒ Code readability is reduced. (*)
- ☐ The compiler runs longer.
- ☐ Memory usage is increased.
- ☐ Performance of the code is reduced.

☒ Correct

[Previous](#) [Page 3 of 3](#) [Summary](#)