

## Quiz 4

### True/False

Indicate whether the statement is true or false.

- \_\_\_ 1. Multiple variables with different data types can be declared in a single statement.
- \_\_\_ 2. An identifier can contain spaces.
- \_\_\_ 3. The equal sign operator is used to assign a new value to a variable.
- \_\_\_ 4. Values represented by the `double` data type are referred to as floating point.
- \_\_\_ 5. The Java Runtime Environment (JRE) includes the `java.lang` package.
- \_\_\_ 6. An exception is an error that affects program execution.
- \_\_\_ 7. Modulus division truncates the decimal portion of the quotient to result in an integer.
- \_\_\_ 8. Identifiers are case sensitive.
- \_\_\_ 9. Java keywords are all lowercase letters.
- \_\_\_ 10. The statement `system.out.println("Hello world!");` will generate a syntax error.

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_ 11. Which is a valid identifier?
  - a. `$12`
  - b. `void`
  - c. `55`
  - d. `diameter`
- \_\_\_ 12. Which operator is used to assign a new value to a variable?
  - a. `=`
  - b. `==`
  - c. `*`
  - d. `-`
- \_\_\_ 13. Which data type declares a variable that stores a true or false value?
  - a. `int`
  - b. `double`
  - c. `char`
  - d. `boolean`
- \_\_\_ 14. Which data type is most appropriate for an employee's salary?
  - a. `int`
  - b. `double`
  - c. `boolean`
  - d. `char`
- \_\_\_ 15. Which term describes creating a new object?
  - a. initialize
  - b. instantiation
  - c. concatenate
  - d. literal
- \_\_\_ 16. In the statement `import java.util.*;` the `*` indicates
  - a. that all members of the `util` package are to be accessible.
  - b. that all members of the `util` package that start with `*` are to be accessible.
  - c. that no members of the `util` package are to be accessible.
  - d. that all members of the `java.lang` package are to be accessible.

- \_\_\_\_\_ 17. What happens to the decimal portion of a number when a `double` is cast to an `int`?
- The decimal portion is truncated.
  - The decimal portion is rounded.
  - Nothing, a syntax error occurs.
  - The value 0.5 is added to the number.
- \_\_\_\_\_ 18. Which keyword does a constant declaration begins with?
- `import`
  - `constant`
  - `int`
  - `final`
- \_\_\_\_\_ 19. Which statement declares a constant named `PRICE` with a value of 5.25?
- `final PRICE = 5.25;`
  - `double PRICE = $5.25;`
  - `const double PRICE = 5.25;`
  - `final double PRICE = 5.25;`
- \_\_\_\_\_ 20. Which type of error occurs in statements that are syntactically correct, but produce undesired or unexpected results?
- syntax error
  - semantic error
  - run-time error
  - exception error

## Quiz 4

### Answer Section

#### TRUE/FALSE

- |            |        |                                      |
|------------|--------|--------------------------------------|
| 1. ANS: F  | PTS: 1 | TOP: Declaring Variables             |
| 2. ANS: F  | PTS: 1 | TOP: Declaring Variables             |
| 3. ANS: T  | PTS: 1 | TOP: Using Variables                 |
| 4. ANS: T  | PTS: 1 | TOP: Primitive Data Types            |
| 5. ANS: T  | PTS: 1 | TOP: Java Packages                   |
| 6. ANS: T  | PTS: 1 | TOP: Obtaining a Value from the User |
| 7. ANS: F  | PTS: 1 | TOP: Numeric Expressions             |
| 8. ANS: T  | PTS: 1 | TOP: Identifiers and Keywords        |
| 9. ANS: T  | PTS: 1 | TOP: Identifiers and Keywords        |
| 10. ANS: T | PTS: 1 | TOP: Programming Errors              |

#### MULTIPLE CHOICE

- |            |        |                            |
|------------|--------|----------------------------|
| 11. ANS: D | PTS: 1 | TOP: Declaring Variables   |
| 12. ANS: A | PTS: 1 | TOP: Using Variables       |
| 13. ANS: D | PTS: 1 | TOP: Primitive Data Types  |
| 14. ANS: B | PTS: 1 | TOP: Primitive Data Types  |
| 15. ANS: B | PTS: 1 | TOP: Abstract Data Types   |
| 16. ANS: A | PTS: 1 | TOP: Java Packages         |
| 17. ANS: A | PTS: 1 | TOP: Type Casting          |
| 18. ANS: D | PTS: 1 | TOP: Using Named Constants |
| 19. ANS: D | PTS: 1 | TOP: Using Named Constants |
| 20. ANS: B | PTS: 1 | TOP: Programming Errors    |