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| Indicate the answer choice | ce that best compl | etes the statement or answers the d | question. |
| | b. Array | , whose size expands automatically | to accommodate the new item. |
| c. | a. array | | |
| 2. If a class's only construc create. | tor requires an argu | ment, you must provide an argument | for every of the class that you |
| a. parameter b. type | e | | |
| c. object d. met | thod | | |
| 3 involves using one different parameter lists. a. Referencing b. C | | verse meanings, or writing multiple m | ethods with the same name but with |
| c. Nesting d. S | igning | | |
| 4. Data items you use in a ca. argumentsc. method declarations | b. instance vari | | |
| 5. A loop controlled by thea. indefinitec. counter-controlled | b. definite | loop. | |
| 6. You can use the keyword a. sub b. | | method in a derived class to access an | n overridden method in a base class. |
| ${ m c.} \; { m protected} \qquad { m d.}$ | super | | |
| • | mpiler error generat | ments clause to implement an interfeed indicates that you must declare yo | |
| a.new String = H | Hello | <pre>ad initializes a String object? b. String greeting == "F d. String new = "Hello"</pre> | Hello"; |
| | b. String | ng changeable data that is composed o | of multiple characters. |
| control variable. | . inner | h an array without specifying the start | ing and ending points for the loop |

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| 11. The ArrayList class met a. size b. capacity c. length d. rows | thod returns the current ArrayList size. | |
| Indicate whether the statement is | true or false. | |
| 12. System software is used for tasksa. Trueb. False | such as word processing, calculations and playing | ng games. |
| · · | ritten, the user is unaware of the low-level detail the interface or interaction between the method a | |
| 14. A Java identifier can contain onlya. Trueb. False | letters, digits, ampersands, or number signs. | |
| Indicate the answer choice that be | est completes the statement or answers the qu | uestion. |
| 15. The length contains the na. box b. field c. area d. block | number of elements in the array. | |
| 16. When you create an array of obje a. null b. '\u0000' c. true d. false | cts, each reference is assigned the value | |
| Indicate whether the statement is | true or false. | |
| | compile a class containing errors, the Java comp the class in order to see error messages. | iler does not produce any error |
| 18. Logic errors are easily identifieda. Trueb. False | when a program is compiled. | |
| Indicate the answer choice that be | est completes the statement or answers the qu | uestion. |
| 19. System.out.println("Yo | ur name is " + yourName); | |
| The above statement is an example of a. concatenation b. referencing | f, which is used to join Strings. | |

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| c. parsing | d. buffering | | |
| Indicate whether t | he statement is true or f | calse. | |
| _ | requirement, it is Java stan improve readability. | ndard that class identifiers begin with | an uppercase letter and use other |
| 21. A compiler igno a. True b. False | res whitespace (that is, an | y combination of nonprinting charac | eters) between words and lines. |
| 22. Dots (or periods a. True b. False |) in a Java statement are u | sed to separate the names of the con | nponents that make up the statement. |
| Indicate the answe | er choice that best comp | letes the statement or answers the | e question. |
| | capacity | eld holds the number of rows in the | array. |
| Indicate whether t | he statement is true or f | alse. | |
| 24. Using the void method is called. a. True b. False | keyword in the main() | method header indicates that a value | e will be returned by the main () |
| Indicate the answe | er choice that best comp | letes the statement or answers the | e question. |
| a. Java b | en in is the most bas . machine language . C | sic circuitry-level language. | |
| a. interpreting | bairing all syntax errors is b. compiling d. executing | part of the process of a program | m. |
| | lled modules, methods, fu | nctions, and subroutines. Java progr | rammers most frequently use the term |
| "method." a. Procedures c. Classes | b. Callsd. Applications | | |
| 28. The ArrayLis | t class method retri | eves an item from a specified location | on in an ArrayList. |

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| a. extract b. get | | |
| c. peek d. retrieve | | |
| 29. A(n) class is a class that you cre a. abstract b. inheritance c. parent d. final | ate only to extend from. | |
| 30 refers to the hiding of data and randa a. Instance b. Inheritance c. Passed d. Encapsulation | nethods within an object. | |
| 31 describes the feature of language based on the context. a. Polymorphism b. Architectural c. Source code d. Insulation | _ | preted correctly in different situations |
| 32. Individual array elements are by a. sorted b. passed c. received d. stored | value when a copy of the value is made | e and used within the receiving method. |
| 33. A(n) defines the circumstances use a class. | under which a class can be accessed and | the other classes that have the right to |
| a. identifier b. access specifier | | |
| c. parameter d. Pascal casing | | |
| 34. In Java, the reserved keyword mexist. | leans that a method is accessible and usa | able even though no objects of the class |
| \mathbf{a} . active \mathbf{b} . undefined | | |
| c. static d. void | | |
| 35. Line comments start with a. a forward slash and an asterisk c. a forward slash and two asterisks | b. two forward slashes d. a percent sign | |
| ` / | an the class file on any computer that ha . Web browser . DOS | .s a |
| 37. Whenever a method requires multiple a. commas b. periods c. forward slashes d. brackets | arguments, the arguments are always se | eparated with |
| 38. If a compiler detects a violation of lan a. an application b. a logic error c. machine code d. Java | iguage rules, it refuses to translate the cl | lass to |

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| | es to divide your source code into meaningfing the code when the end of the file was end | |
| 40. A is an error not detected unti | l the program asks the computer to do some | ething wrong, or even illegal, while |
| a. syntax error b. run-time error c. package d. Java API | r | |
| 41. It is best to use the available to a. most complex b. simplest c. best d. latest | ext editor when writing Java programs. | |
| 42. It is a tradition among programmers a. Hi, your name! b. Hello, your name! d. Hello, your name! | | guage produces "" as its output. |
| 43. When you run a Java application us a. class b. static c. java d. output | ing the command, do not add the .cl | Lass extension to the filename. |
| <pre>44. { public static void main { System.out.println(") } }</pre> | (String[] args) First Java application"); | |
| Given the above code, which item ident a. public b. static c. void d. First | tifies the access specifier? | |
| 45. public class First | | |
| { public static void main | (String[] args) | |
| System.out.println(") } | First Java application"); | |
| Given the above code, which item ident a. public b. static c. void d. First | tifies the name of the class? | |
| 46. public class First | | |

public static void main(String[] args)

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| Java Final Rev | <u>riew</u> | |
| { Sys } } | stem.out.println("First Java application"); | |
| Given the above a. public | e code, which item identifies the method's return type? b. static | |
| c. void | | |
| 47. publi | c class First | |
| | c static void main(String[] args) | |
| · | stem.out.println("First Java application"); | |
| Given the above a. public | e code, which item identifies that the method will work without instantiating b. static | g an object of the class? |
| c. void | d. println | |
| Enter the appr | copriate word(s) to complete the statement. | |
| 48. In programmight vary. | ming, named computer memory locations are called | _ because they hold values that |
| 49 | comments are a special case of block comments that are used | to generate documentation. |
| | import statement when you want to access a built-in Java class that is con | ntained in a group of classes |
| 51. A(n)produces incorr | error occurs when the syntax of the program is correct and ect results when you execute it. | nd the program compiles but |
| 52. The prewritten Java | is also called the Java class library; it contains informatio class, including lists of all the methods you can use with the classes. | on about how to use every |
| Match each tern a. literal string | m with the correct statement below. | |
| - | ogramming languages | |
| c. dialog box | | |
| d. syntax | | |
| e. whitespace f. compiler | | |
| g. attributes | | |
| 6 | | |

h. Machine language

i. Java virtual machine (JVM)

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- 53. Allow you to assign intuitive names to areas of computer memory
- 54. The rules for the programming language
- 55. Translates an entire program before carrying out the statement
- 56. A low-level programming language
- 57. The characteristics that define an object
- 58. Hypothetical computer used to run a Java program
- 59. Series of characters that will appear in output exactly as entered
- 60. Any combination of nonprinting characters
- 61. A GUI object resembling a window in which you can place messages you want to display
- 62. Describe the components (objects and classes) that are used in the statement System.out.println().
- 63. What happens after a programmer successfully compiles a Java program named "First.java"?
- 64. Provide examples of logic errors. How do programmers minimize logic errors in their code?
- 65. Explain the purpose of arguments and why it is necessary to pass arguments to a method.
- 66. Briefly describe the elements of the main() method:

```
public static void main(String[] args)
{
Java code...
```

67. Once an application is written and saved, the Java class must be compiled. Describe what two procedures must occur in order to view the output of the application.

```
68.public class FindMyErrors
{
   public static void main(String[] args)
   {
       System.out.println("My application with errors)
   }
}
```

Given the above code, identify three separate syntax errors.