

## JAVA CONCEPTS READING ASSIGNMENT

### Self-Check Questions

1. What is required to play a music CD on a computer?
2. Why is a CD player less flexible than a computer?
3. Can a computer program develop the initiative to execute tasks in a better way than its programmers envisioned?
4. Where is a program stored when it is not currently running?
5. Which part of the computer carries out the arithmetic operations, such as addition and multiplication?
6. What is the code for the Java virtual machine instruction "Load the contents of memory location 100"?
7. Does a person who uses a computer for office work ever run a compiler?

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8. What are the two most important benefits of the Java language?
9. How long does it take to learn the entire Java library?
10. How are programming projects stored on a computer?
11. What do you do to protect yourself from data loss when you work on programming projects?
12. How would you modify the *HelloPrinter* program to print the words “Hello,” and “World!” on two lines?
13. Would the program continue to work if you omitted the line starting with //?

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14. What does the following set of statements print?

```
System.out.print("My lucky number is");  
System.out.println(3 + 4 + 5);
```

15. Suppose you omit the `//` characters from the *HelloPrinter.java* program but not the remainder of the comment. Will you get a compile-time error or a runtime error?

16. How can you find logic errors in a program?

17. What do you expect to see when you load a class file into your text editor?

18. Why can't you test a program for run-time errors when it has compiler errors?