



Module 1 Mastery Check

1. What is bytecode and why is it important to Java's use for Internet programming?
2. What are the three main principles of object-oriented programming?
3. Where do Java programs begin execution?
4. What is a variable?
5. Which of the following variable names is invalid?
 - A. count
 - B. \$count
 - C. count27
 - D. 67count
6. How do you create a single-line comment? How do you create a multiline comment?
7. Show the general form of the **if** statement. Show the general form of the **for** loop.
8. How do you create a block of code?
9. The moon's gravity is about 17 percent that of earth's. Write a program that computes your effective weight on the moon.
10. Adapt Project 1-2 so that it prints a conversion table of inches to meters. Display 12 feet of conversions, inch by inch. Output a blank line every 12 inches. (One meter equals approximately 39.37 inches.)
11. If you make a typing mistake when entering your program, what sort of error will result?
12. Does it matter where on a line you put a statement?