

# Java Basics

## Java Programming Language

1. A Java \_\_\_\_\_ converts the Java source code that you write into a binary program consisting of byte codes.
2. \_\_\_\_\_ are machine instructions of the Java Virtual Machine (JVM).
3. What is the name of the program that executes the bytes codes within the JVM?
4. Explain the process used to run a Java program on particular operating systems?

## User Interface

5. Describe the difference between a terminal program and a GUI program.

## First Java Program

6. What is another name for programming instructions?
7. List the fundamental features common to all Java programs.

## Syntax

8. What is syntax?
9. A program's source code must have \_\_\_\_\_ in order to compile correctly and be made into a program.
10. Give two examples of a syntax error.

## Terminal Output

11. What is a string?
12. Give two examples of strings.
13. Write a program statement that will display the string “Good Morning” on the terminal window.

14. What is output by the following code?

```
System.out.println(5*4);
```

15. What is output by the following code?

```
System.out.println("binary");  
System.out.println();  
System.out.println("hex");
```