Test Bank for Introduction to Programming with Java 3rd Dean

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Chapter 1 Test Solutions

1. For each of the following devices, indicate whether it is input, output, or memory:
- **a)** printer output
- **b)** mouse input
- **c)** CD-ROM memory
- **d)** keyboard input
- **e)** USB flash memory
- **f)** monitor output

2. GHz stands for gigahertz. It is the tick rate, event rate, or cycle rate in billions per second.

3. If a memory device loses its data when power is off, we say it is:
c) volatile.

4. An informal outline that describes what a program does is called pseudocode.

5. A computer program that converts Java source code to Java bytecode is called a compiler.

6. The computer program that converts Java bytecode to machine code (or object code) is called the Java Virtual Machine (or JVM).

7. The output of a Java compiler is more "portable" than the output of a C++ compiler because Java bytecode is "machine independent." It is able to run on any type of computer.

8. The company that developed the Java language is Sun (or Sun Microsystems).

9. Java source code for a program called DoNothing:

```
public class DoNothing
{
  public static void main(String[] args)
  {
  }
}
```

10. The "Ten Commandment of Computer Ethics" was created by the Computer Ethics Institute.

11. To compile Java source code for a program called TestProgram, enter:

```
javac TestProgram.java
```

12. The file extension for a bytecode file is:

```
.class
```

13. To execute an already-compiled version of a Java program called TestProgram, enter:

```
java TestProgram
```

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