8.

* Java is 100% object oriented programming language, while C++ can be object oriented as well as procedural oriented programming language.
* C++ is platform dependent, while Java is platform independent.
* C++ is faster than Java
* C++ does not provide automatic memory management
* Java does not support native code compilation
* Java takes more memory for execution
* Java need to install JVM
* Java has garbage collection, threading and synchronization built in

9.

Purpose of learning Java programming: Main purpose in learning Java is to acquire programming skills using most popular computer programing language. Java is written once, run everywhere. It is an ideal programming language for use in internet programming and development of web applications. Powerful debugging and exception handling makes Java very reliable, safe and secure language. Large number of API library classes help Java with optimized, fast and convenient to use.

Why should readers use this text? The text focuses on

1. Learn how to learn, it covers everything about Java. And it seeks to inspire and extend reader’s interest in learning Java.
2. Learn from examples. It provides great examples very helpful to learn concepts in Java
3. Learn from API documents. It shows you step-by-step how to discover the knowledge through discussion of API documentation.
4. Learn by practicing. It provides lot of practices and exercises to learn Java.
5. Emphasis on summarization and comprehension in learning. Each important concept and codding skill is provides with 3W, summary tables and it guides the readers in the learning process.