FEATURES OF JAVA

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Features of Java

- Java is simple
- Java is secure
- Java is portable
- Java is object-oriented
- Java is robust
- Java is multithreaded
- Java is architecture-neutral
- Java is interpreted
- Java's performance
- Java is distributed
- Java is dynamic

Java is simple

- Java is Easy to write and more readable and eye catching.

- Java has a concise, cohesive set of features that makes it easy to learn and use.

- Most of the concepts are drew from C++ thus making Java learning simpler.

Java is secure

- Java program cannot harm other system thus making it secure.

- Java provides a secure means of creating Internet applications.

- Java provides secure way to access web applications.

Java is portable

☐ Java programs can execute in any environment for which there is a Java run-time system.(JVM)

☐ Java programs can be run on any platform (Linux,Window,Mac)

☐ Java programs can be transferred over world wide web (e.g applets)

Java is object-oriented

- Java programming is object-oriented programming language.
- Like C++ java provides most of the object oriented features.

  Java is pure OOP. Language. (while C++ is semi object oriented)

Java is robust

- Java encourages error-free programming by being strictly typed and performing run-time checks.

Java is multithreaded

- Java provides integrated support for multithreaded programming.

Java is architecture-neutral

- Java is not tied to a specific machine or operating system architecture.
- Machine Independent i.e Java is independent of hardware .

Java is interpreted

- Java supports cross-platform code through the use of Java bytecode.

- Bytecode can be interpreted on any platform by JVM.

Java's performance

- Bytecodes are highly optimized.
- JVM can executed them much faster

Java is distributed

- Java was designed with the distributed environment.
- Java can be transmit,run over internet.

Thank you