

Java Features/Buzz words Java Buzzwords specifies the Nature or characteristics or Feature of Java: These words are:-->Simple->Secure->Portable>Object oriented->Robust->Multithreaded->Architecture neutral->Interpreted->High performance->Distributed->Dynamic

Description:-

- 1) Simple: -Java was designed for the professional programmer to learn and use effectively. -Java requires very less efforts to understand the concepts, assuming we have some programming experience.
- 2) Secure: -If a program contains a virus or other harmful code these leads to the damage of system resources. -Java achieved protection by confining a program or code to the java execution environment and not allowing it access other parts of computer.
- 3) Portability: -Java programs are platform independent (can be run on any type of system), no special need means on type of platform Java can be run.
- 4) Object Oriented: -Java is an object oriented language. -Java almost implement or follow rules of OOP. C++ does not follow 100% encapsulation. -Java can be said a Truly object Oriented Programming.
- 5) Robust : -Java restrict the user to find mistakes easily in program development. -Java frees the user from having to worry about many of the most common reasons of programming errors. -Java is a restrict typed language it checks code at Run time also and compile time also.
- 6) Multithreaded: -Java is designed to fulfill to real world requirement of creating Network Programs. -Java allows us to write many programs that do many tasks simultaneously, these tasks are called Threads. -When multiple Threads execute simultaneously it is called Multithreading and Java supports Multithreading.
- 7) Architecture-Neutral :-Java is a portable language. -Java follow concept of Write Once Run Anywhere means Java program can be run on any system even if created on different system.
- 8) Interpreter :-Java source code is converted into Byte code by using compiler after compilation. -Java Run Time environment has interpreter that interpret Java Byte code and generate output.
- 9) High Performance : -Compiler convert Java source code into Byte code. -The Java Byte code is specially designed so that it can easily translate direct into any type machine code. -This concept makes performance high of Java.
- 10) Distributed : -Java is created for supporting distributed environment of the Internet because it support various types of Protocols. -Java also supports Remote Method Invocation (RMI). -This feature enables a program to invoke methods across a network.
- 11) Dynamic : -Java programs carry with them substantial amounts of run-time type information that is used to verify and resolve access to objects at run-time. -This makes it possible to dynamically link code in a safe and expedient manner.