**Features Of Java**

**1.Simple**

**2.Object Oriented**

**3.Platform Independent**

**4.Architecture Neutral**

**5.Portable**

**6.Robust**

**7.Secure**

**8.High Performance**

**9.Multi Threaded**

**10.Distributed**

**Simple**

* **Java is very easy to learn as its syntax is very simple**
* **It’s Syntax is based on C++**
* **No complicated features like pointers,operator overloading etc.**
* **Automatic garbage collection to remove unreferenced objects and thus programmers are free from memory management responsibilities.**

**Object Oriented**

* **Java is object oriented programming language.**
* **Just like the real world ,it is centered on creating on objects,manipulating objects and making them work together.**
* **Object oriented programming is better than procedural programming because it provides great flexibility,modularity,clarity and reusability.**
* **OOPs is more secure as it provides data hiding features.**

**Platform Independent**

* **“Write once run anywhere” feature of java makes it platform independent.It allows a java program to run on any operating system like Windows,Linux,Mac or Solaris.**
* **Other languages like C,C++,etc. are directly compiled into plarform specific machine codes.**
* **An additional layer (class file) is added in java to achieve platform independence.**

**Architecture Neutral**

* **Java has an essential feature that allows the applications to run easily on different machines with different hardware architecture.**
* **There are no architecture dependent features, for example, the size of primitive types is fixed.**
* **In C programming ,int data type occupies 2 bytes of memory for 32-bit architecture and 4 bytes of memory for 64-bit architecture.**
* **In java it occupies 4 bytes of memory for both 32 and 64-bit architectures.**

**Portable**

* **The platform Independence and Architecture Neutral features of java make it portable.**
* **Portable because it facilitates to carry the java bytecode to any platform.**

**Robust**

* **Robust means strong/reliable.**
* **Java has eliminated certain types of error prone programming constructs that are found in other languages.**