

Java

Java is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day. Java is Object oriented, fast, secure, and reliable. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!

- Introduction To Java, Installation Of Software's, Advantages & Scope of Java
- Java Virtual Machine, Java Runtime Environment
- Pointers Free Java, Garbage Collection, JVM Parts,
- Class Loader, Byte Code Verifier, Syntax To write Your First Program.
- OOPS Concepts Procedural V/s Object Oriented Languages,
- Features-Class ,Object, Encapsulation, Abstraction, Inheritance, Polymorphism
- Programmatic Explanation To OOPS Concepts, Access Specifiers, Access Modifiers
- Packages, Import Statements, Constructor
- Overloading (Method & Constructor)and Over Riding , "this & super" Keywords
- Identifiers, Keywords, Datatypes in Java, Control Structures
- Call by Value v/s Call By Reference, Getting The Input From The User-Command Line Arguments
- Arrays in Java
- Errors & Exceptions, How To handle Exception
- User Defined Exception, Assertions
- Abstract Classes & Interfaces
- The Collections Framework, Set, List, Map, Generics, Enhanced For Loop, Iterators, Scanners
- I/O Streams & Packages
- Working with Files using I/O Package
- File Read, File Write, File Copy
- Sending mail with Java Program
- Threads
- Multi Threading with Synchronization
- Data Base Introduction, Need For DB, Working with DB
- Java Database Connectivity
- Working With Result Set
- AWT & Swings
- Swings Extended with JDBC

