

# Lotus IT Hub Karve nagar Pune

- Introduction of Java
- History and Features of Java
- Difference between JDK,JRE and JVM
- Variable and Data Type
- If-If,Else If,If-Else,Switch Case
- For,While,Do While,ForEach Loop
- Array
- Type Casting
- Object Oriented Programming in Java
- Class Object and Method
- Constructors
- Inheritance
- Polymorphism
- This and Super
- Static and Final
- Type Casting
- Abstract Class And Interface
- Nested Classes and Anonymous Class
- Command Line Arguments
- Packages

## String Handling

- Compare String
- Equals
- Split
- Immutable

- Substring
- StringBulider

#### Java Inner Classes

- Member Inner class
- Annonumus Class
- Local Inner Class
- Static nested class
- Nested Interface

#### Exception Handling

- Basic and Advance concepts of Exception
- How to Handle Exception
- Try,Catch,Finally,Throw,Throws
- User Defined Exception
- Multithreading
- Basic of Threads
- Thread class and Runnable interface
- Thread using Anonymous class
- Thread Synchronization
- File Handling
- How to Create File
- Read and Write Data into File<
- Operation on Binary Files
- File Copy and Cut
- Serialization
- Collections and Generics
- ArrayList,Vector,LinkedList,Queue,Stack
- HashSet,LinkedHashSet,TreeSet
- HashMap,LinkedHashMap,TreeMap
- Hashtable

- AWT SWING JDBC and Applet
- Label, TextField, PasswordField, TextBox, Button
- Radio Button, CheckBox, ComboBox, List, Table
- FileChooser,MenuBar,ToolBar
- Layouts,Constraints,Listeners
- MVC Concepts
- About JFX,and SWT(IBM Product)
- JDBC Drivers,DataBase Operations
- TCP UDP and RMI
- Socket Programming
- Communication Between two Devices
- Remote Login
- Chating Application
- Servlet JSP and MVC
- HTML,CSS,Java Script,jQuery,AJAX
- About Servlet and Web Apps
- Servlet Life Cycle
- Session and Cookies
- ServletContext
- FileUload
- Send Mail
- JSP Tags
- JSTL
- MVC Pattern
- Data Base
- Webservices

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