

INDUSTRIAL TRAINING JAVA

Duration: 45 Hours

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**JAVA
INDUSTRIAL
TRAINING****CORE JAVA**

- ❖ Explain JAVA Technology, Java Short History, Comparison of JAVA from C/C++
- ❖ Type of Application of JAVA
- ❖ Data type using Primitive type and Wrapper class
- ❖ Operator and Conditional Statements (if, if—else, nested, else if, multipleif)
- ❖ Control Structure and Switch Statement, Nested Switch Statement
- ❖ Array (One dimension, Multidimensional, Jagged, Object)
- ❖ String class, String Buffer Class, String Builder Class
- ❖ OOP's Introduction, Class and Object, Type of Class, Inner class, Anonymous object, Generic Class, Data abstraction, Encapsulation, Polymorphism, Constructor, Garbage collector, Inheritance, Abstract class, Interface, Super Keyword, this Keyword
- ❖ Exception Handling (Checked , Unchecked)
Explain throw, throwable
- ❖ File Handling (File, File Reader, File Writer, Buffered Reader, Buffered Writer, FileInputStream, FileOutputStream)
- ❖ Serialization and Deserialization
- ❖ Multithreading, explain Thread, Runnable, Sleep, Wait, notify, and notify all,
- ❖ Collection Framework, Wrapper Class, Java 12 Features

Advance Java

- ❖ JDBC (type1,type2,type3,type4) using Swing Interface(Statement, Prepared Statement).Local-Variable Type Inference
- ❖ Servlet , Custom Servlet, Servlet life cycle.Application Class-Data Sharing,Filter
- ❖ Create Form using JSP and Get data by Servlet
- ❖ HTML,CSS Integration,Form Development,JavaScript ,Jquery
- ❖ Login Form,Registration Form,Session,Cookies,ACL
- ❖ File Uploading,AJAX,Validation,MVC

Framework

- ❖ SPRING CORE,IOC,Dependancy,AOP,SPRING
- ❖ SPRING MVC WEB
- ❖ HIBERNATE
- ❖ SPRING BOOT WITH JPA,WEB,API
- ❖ MICROSERVICES
- ❖ CREATE REST API and CHECK WITH POSTMAN
- ❖ LIVE PROJECT IMPLEMENTATION

Design tools

- ❖ HTML5,CSS3,JS,Jquery,Angular

Database and SDLC

- ❖ SQL Query,Table,Relationship
- ❖ SDLC,E-R Diagram,DFD,CLASS Diagram, Use Case Diagram,SRS,Synopsys,Project Report

