SoftLogic
Systems We Build Your Future

JAVA COURSE SYLLABUS

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Java Course Syllabus

SLA is one of its kind Institute which not only equips you in technology skills but will train you for free in Aptitude skills, Soft Skills, Mock Interviews, Interview Skills, Work ethics and Corporate Values that you need to know to get into IT Industry. Our training is given by expert real time development experienced trainers and we enable each and every student of ours to do their own real time projects by the end of the program.

We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too.

If you want to just have an IT certification, you can do your course anywhere. If you aspire to get into an IT Job, then you should choose SLA. With SLA, your IT dream will definitely come into reality.

Please go through the long list of our student reviews / offer letters @ www.joinsla.com to get to know more about us.

- ❖ Introduction
    1. What is Java?
    2. Why Java?
    3. Features of Java
- ❖ Data Types
- ❖ Variables
- ❖ Type Casting
- ❖ Whitespace
- ❖ Identifiers
- ❖ Literals
- ❖ Comments
- ❖ Separators
- ❖ The Java Keywords
- ❖ Operators
- ❖ Functions
    1. Pre-defined Functions
    2. User-defined functions
- ❖ Arrays
    1. One Dimensional Array
    2. Multi-Deminsional Array

- ❖ OOP's
    1. Class and Objects
    2. Constructor
    3. Polymorphism
    4. Abstraction & Encapsulation
    5. Packages
    6. Inheritance
    7. Static, Final, This, Super keywords
    8. Wrapper Class
    9. Inner Class
- ❖ String Manipulation
    1. String Handling Methods
    2. StringBuffer
    3. StringTokenizer
- ❖ Enumerations and Annotations
- ❖ Generics
- ❖ Lambda Expressions
- ❖ Modules
- ❖ Multithreading
    1. Thread Lifecycle
    2. Thread Class
    3. Runnable Interface
    4. Synchronization
- ❖ Exception Handling
    1. Definition
    2. Types Build in Exception
    3. User Defined Exception
- ❖ I/O operations
    1. File Class
    2. I/O Stream Hierarchy
    3. File Input Stream
    4. File Output Stream
- ❖ Collections Frameworks
    1. HashSet
    2. LinkedHashSet
    3. ArrayList
    4. Stack

5. LinkedList

6. Vector

7. HashMap

8. Date

9. Calender

❖ MySQL

1. Creating database and Tables

2. JDBC architecture

3. Insert, Update, Delete, Select

4. MySQL Connector

❖ AWT:

1. Event Handling

2. Working with Windows, Graphics, and Text

3. AWT Controls, Images

❖ SWING (GUI)

1. Layout Managers

2. Menus

3. JFrame

4. JLabel

5. JText Field

6. JButton

7. JCheckBox

8. JRadioButton

9. JTable

10. Adding Image to JFrame

11. With JDBC

❖ Servlets

1. Java Beans

2. Servlet terminology

3. Servlet API

4. Generic Servlet, Http Servlet

5. Servlet Life Cycle

6. JDBC in servlet

❖ JSP

1. JSP introduction & HTML Basics

2. JSP with Life cycle

3. JSP API

4. Scripting elements - Scriptlet, Expression & Declaration tag

5. Implicit Objects – Request, Response, Exception, Session

❖ Spring Boot

1. Spring Boot Introduction

2. Spring Boot Basics

3. Why Spring Boot

4. Spring Boot Features

5. Main Goal of Spring Boot

6. Configuration of spring application

7. Creating Project- Spring Initializer

8. Spring Boot Hello World Application

Are you happy with our course curriculum? Then why you delay? Take your mobile phone and ring us quickly on +91 86816 84318