

Diploma in Java Syllabus

What will you get?

1. Practical Training
2. Assignments
3. Question Bank

About the Trainer:

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Corporate Trainer

Experience: Over 16+ years of experience

Conducts Corporate and Classroom training on various technologies.

C Language Syllabus

1. C - Overview
2. C - Environment Setup
3. C - Program Structure
4. C - Basic Syntax
5. C - Data Types
6. C - Variables
7. C - Constants
8. C - Storage Classes
9. C - Operators
10. C - Decision Making
11. C - Loops
12. C - Functions
13. C - Scope Rules
14. C - Arrays
15. C - Pointers
16. C - Strings
17. C - Structures
18. C - Unions
19. C - File I/O
20. C - Memory Management
21. C - Command Line Arguments

C++ Language Syllabus

1. C++ Basic Syntax
2. C++ Comments
3. C++ Data Types
4. C++ Variable Types
5. C++ Variable Scope
6. C++ Constants/Literals
7. C++ Modifier Types
8. C++ Storage Classes
9. C++ Operators
10. C++ Loop Types
11. C++ Decision Making
12. C++ Functions
13. C++ Numbers
14. C++ Arrays
15. C++ Strings
16. C++ Pointers
17. C++ References
18. C++ Date & Time
19. C++ Basic Input/output
20. C++ Classes & Objects
21. C++ Object Oriented
22. C++ Overloading
23. C++ Inheritance
24. C++ Abstraction
25. C++ Polymorphism

SQL Syllabus

1. Introduction to SQL
2. Writing Basic SQL SELECT Statements
3. Restricting and Sorting Data
4. Single Row Functions
5. Displaying Data from Multiple Tables
6. Aggregating Data Using Group Functions
7. Sub-Queries
8. Manipulating Data
10. Creating and Managing Tables
11. Including Constraints
12. Creating Views
13. Other Database Objects
14. Controlling User Access

Core Java Syllabus

1. The History and Evolution of Java
2. Basic Syntax
3. Objects and Classes
4. Basic Data types
5. Variable Types
6. Modifier Types
7. Basic Operators.
8. Loops
9. Decision Making Statements
10. Classes
11. Arrays
12. Date and Time
13. Methods
14. Input and Output
15. Exception Handling
16. Inheritance
17. Interfaces
18. Packages
19. Applets
20. AWT

JDBC Syllabus

1. What is JDBC?
2. JDBC Architecture
3. Common JDBC Components
4. The JDBC Packages
5. Setup Required
6. Creating JDBC Application
7. What is JDBC Driver?
8. JDBC Drivers Types
9. Which Driver should be used?
10. JDBC - Statements, Prepared Statement and Callable Statement
11. JDBC - Result Sets

Servlets Syllabus

- 1 Servlets - Overview
- 2 Servlets - Environment
- 3 Servlets - Life Cycle
- 4 Servlets - Examples
- 5 Servlets - Form Data
- 6 Servlets - Client Request
- 7 Servlets - Server Response
- 8 Servlets - Http Codes
- 9 Servlets - Writing Filters
- 10 Servlets - Exceptions
- 11 Servlets - Cookies Handling
- 12 Servlets - Session Tracking
- 13 Servlets - Database Access

JSP Syllabus

- 1 JSP - Overview
- 2 JSP - Environment
- 3 JSP - Architecture
- 8 JSP - Implicit Objects
- 9 JSP - Client Request
- 10 JSP - Server Response

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| 4 | JSP - Life Cycle | 11 | JSP - Http Codes |
| 5 | JSP - Syntax | 12 | JSP - Form Processing |
| 6 | JSP - Directives | 13 | JSP - Cookies Handling |
| 7 | JSP - Actions | 14 | JSP - Session Tracking |

Spring Syllabus

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|----|-----------------------------|----|--------------------------------|
| 1 | Overview | 11 | Dependency Injection |
| 2 | Architecture | 12 | Injecting Inner Beans |
| 3 | Environment Setup | 13 | Injecting Collection |
| 4 | Hello World Example | 14 | Spring Beans Auto-Wiring |
| 5 | IoC Containers | 15 | Annotation Based Configuration |
| 6 | Bean Definition | 16 | Java Based Configuration |
| 7 | Bean Scopes | 17 | Event Handling in Spring |
| 8 | Bean Life Cycle | 18 | Custom Events in Spring |
| 9 | Bean Post Processors | 19 | Spring JDBC Framework |
| 10 | Bean Definition Inheritance | | |

Hibernate Syllabus

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|---|----------------------------|----|----------------------------|
| 1 | ORM Overview | 8 | Hibernate Mapping Files |
| 2 | Hibernate Overview | 9 | Hibernate Mapping Types |
| 3 | Hibernate Architecture | 10 | Hibernate Examples |
| 4 | Hibernate Environment | 11 | Hibernate O/R Mappings |
| 5 | Hibernate Configuration | 12 | Hibernate Annotations |
| 6 | Hibernate Sessions | 13 | Hibernate Query Language |
| 7 | Hibernate Persistent Class | 14 | Hibernate Criteria Queries |
| | | 15 | Hibernate Native SQL |

Angular JS Course Syllabus

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|-----|-------------------------------|-----|----------------------------------|
| 1. | AngularJS - Home | 11. | AngularJS - HTML DOM |
| 2. | AngularJS - Overview | 12. | AngularJS - Modules |
| 3. | AngularJS - Environment Setup | 13. | AngularJS - Forms |
| 4. | AngularJS - MVC Architecture | 14. | AngularJS - Includes |
| 5. | AngularJS - First Application | 15. | AngularJS - AJAX |
| 6. | AngularJS - Directives | 16. | AngularJS - Views |
| 7. | AngularJS - Expressions | 17. | AngularJS - Scopes |
| 8. | AngularJS - Controllers | 18. | AngularJS - Services |
| 9. | AngularJS - Filters | 19. | AngularJS - Dependency Injection |
| 10. | AngularJS - Tables | 20. | AngularJS - Custom Directives |
| | | 21. | AngularJS - Internalization |