



Course: 'FullStack Java Development'

Fee: Rs.85000

Duration: 12month

Syllabus:-

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|-------------------------------------|--------------------------------|
| 1. Introduction to Java Programming | 17. Constructors |
| 2. Difference Between C++ & Java | 18. Finally, finalize, Static |
| 3. Why Java | 19. Method overloading |
| 4. Oops Feature | 20. Method Overriding |
| 5. Tokens | 21. Java Regex |
| 6. Getting Started with Java | 22. Inheritance |
| 7. Java Type Conversion | 23. Abstraction |
| 8. Java Compiler | 24. Java Encapsulation |
| 9. Control Statement | 25. Access modifier |
| 10. IF Statement | 26. Package |
| 11. Switch Case | 27. Interface |
| 12. Loop Statement | 28. Multithreading |
| 13. Class & objects | 29. Exception handling |
| 14. Method | 30. String Implementation |
| 15. Recursion | 31. Java Database Connectivity |
| 16. Wrapper class | 32. Application with AWT |
| | 33. Application with Swing |

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| 34. String Method | 47. Model-View-Controller (MVC) architecture |
| 35. Java collections framework (lists, sets, maps) | 48. JDBC and database connectivity in web applications |
| 36. Generics method | 49. Front-end frameworks (React, Angular, Vue.js) with Java backend |
| 37. Multithreading and concurrency | 50. RESTful APIs and JSON data handling |
| 38. GUI programming with JavaFX or Swing | 51. Deploying Java web applications to servers (Tomcat, Jetty, WildFly) |
| 39. Networking and socket programming | 52. Java Messaging Service (JMS) |
| 40. Serialization and deserialization | 53. Web services (SOAP and RESTful) |
| 41. Introduction to Java EE architecture | 54. Java EE security and a Unit testing with JUnit or TestNG |
| 42. Java Servlets and JSP (Java Server Pages) | 55. Integration testing and mocking frameworks (Mockito, PowerMock) |
| 43. Java Persistence API (JPA) and ORM frameworks (e.g., Hibernate) | 56. Debugging Java applications using IDEs (Eclipse, IntelliJ IDEA) |
| 44. Enterprise JavaBeans (EJB) | 57. Profiling and performance testing |
| 45. Introduction to web development concepts (HTML, CSS, JavaScript) | |
| 46. Servlets and JSP for dynamic web applications | |

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| | tools (VisualVM, JProfiler) | 60. | Test automation strategies and tools for Java applications |
| 58. | Continuous Integration (CI) and Continuous | 61. | Authentication |
| 59. | Deployment (CD) pipelines with Jenkins or GitLab CI/CD | 62. | Spring Boot |
| | | 63. | Hibernate |
| | | 64. | Ajax |

Extra Curriculum

1. Assignment
2. Projects

Feature:-

1. Internship
2. Life time tech support
3. Resume writing
4. Project
5. Job Placement

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