



Complete Syllabus of Java Programming

Total Lessons: 56

Project: 1

Tests: 3

Final Java Certification Test: 1

Duration: 2-3 months

1. What do you understand by Program & Programming Language?
2. What is Java?
3. Why Java is different from C, C++?
4. Java 8 and its features
5. Introduction to JDK
6. JDK vs JRE vs JVM
7. Why Java is called Modular programming Language?
8. Introduction to OOPs
9. Getting Started with IntelliJ IDE
10. How to write your First Java Program
11. Variables in Java
12. Local variable in Java
13. Instance Variable in Java
14. Static variable in Java
15. Data Types in Java
16. Keywords & Constants
17. Classes & Object
18. Access Specifiers
19. Abstraction
20. Data Hiding
21. Encapsulation

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Core Java Syllabus By, Rashmi Prabha



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22. Inheritance

- Types of Inheritance
- Super keyword
- This keyword

23. Polymorphism

- Compile time Polymorphism
- Runtime Polymorphism

24. Compiler vs Interpreter

25. Operators in Java

26. Enum in Java

27. Type casting in Java

28. Decision making Construct

- If -else
- Switch

29. Looping Construct

- For
- While
- Do while

30. Break & continue statement

31. Buffered Reader in Java

32. Scanner Class in Java

33. Methods in Java

- Pass by value & Pass by Reference

34. Arrays in Java

35. Constructor in Java

- Default
- Parameterized
- Constructor Overloading
- Copy Constructor

36. Method Overloading

37. Destructor in Java

38. Method Overriding

39. Strings in Java

40. String Buffer in Java

41. Wrapper Class in Java

42. Abstract Class in Java

43. Interfaces in Java

44. Multiple Inheritance using Interfaces

45. Static keyword in java

- Static variable
- Static Method
- Static class
- Static block

- 46. Final keyword in Java
- 47. Packages in Java
- 48. Exception Handling in Java
- 49. Generic in Java
- 50. Collections in Java
- 51. Multithreading in Java

- What is Thread
- Life cycle
- How to set Priority
- Synchronization
- Deadlock

52. JDBC Connectivity

53. Project

54. Assignment

55. Interview Preparation

56. Java Certification Quiz



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