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Java Curriculum

Java Introduction:

1. History of Java
2. Features of Java
3. First Program in Java
4. JDK, JRE & JVM
5. Java Variables
6. Data Types in Java
7. Operations in Java

Control Statements:

1. What are Control Statements
2. Conditional Statements
3. IF -else in Java
4. Switch in Java
5. What are Loop
6. For Loop
7. While Loop
8. Do While Loop
9. Break & Continue In Java
10. Comments in Java
11. Programs Using all the Control Statements

Object Class in Java:

1. Java OOPs Concepts
2. Naming Convention
3. Objects And Classes
4. Methods
5. Constructor

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6. Static Keyword
7. This Keyword

Java Inheritance:

1. Inheritance (IS-A)
2. Aggregation (HAS-A)

Java Polymorphism:

1. Method Overloading
2. Method Overriding
3. Super Keyword
4. Final Keyword
5. Runtime Polymorphism

Java Abstraction:

1. Abstract Class
2. Interface
3. Difference between Abstract & Interface

Java Encapsulation:

1. Package
2. Access Modifiers
3. Encapsulation

Java Array:

1. Java Array
2. Java 2D and 3D Arrays
3. Programs of 2D and 3D Arrays

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Java Strings:

1. Introduction to Strings
2. Operations on Strings
3. Methods of Strings
4. Programs on Strings.

Extras:

1. Garbage Collection
2. Collections Framework
3. Exception Handling in Java