Day - 1

- N   A   A   A   A A   A
  - Introduction to Java programming language
  - Setting up the Java development environment
  - Writing and running your first Java program
  - Java syntax and basic data types
  - Variables and operators in Java

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  - Conditional statements: if, if-else, switch
  - Looping statements: for, while, do-while
  - Arrays and array manipulation
  - Introduction to methods and functions
  - Practice exercises and coding challenges

Day - 2

- N   A   A   A   A   AC   A
  - Understanding the principles of OOP
  - Classes and objects in Java
  - Constructors and methods
  - Encapsulation and data hiding
  - Inheritance and polymorphis

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  - Creating and using classes and objects
  - Access modifiers: public, private, protected
  - Packages and import statements
  - Exception handling in Java
  - Introduction to Java API documentation
  - Hands-on coding exercises and mini-projects

Day - 3

- N   A   A   A A A   A
  - Overview of Java collections framework
  - List, Set, and Map interfaces
  - ArrayList, LinkedList, HashSet, and HashMap
  - Iterating over collections and common collection operations
  - Introduction to Generics in Java

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  - Reading from and writing to files in Java
  - Handling exceptions in file I/O operations
  - Introduction to basic networking concepts
  - Socket programming in Java
  - Overview of input/output streams and serialization
  - Final coding exercises and project discussions