

JAVA FULL STACK

Module 1

- Introduction to Java.
- Installing Java.
- Java Virtual Machine.
- Hello World! Program.

Module 2

- Data type and Identifier.
- Type Casting.
- Variables in Java.
- Arrays in Java.
- Operators in Java.

Module 3

- Objects and Classes.
- Method Overloading.
- Constructor in Java.
- this keyword.

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Module 4

- Garbage Collection.
- Java Modifiers.
- Inheritance.
- Aggregation.

Module 5

- Method Overriding
- Runtime Polymorphism
- Command-line Argument
- Package

Module 6

- Abstract Class
- Interface
- Nested Classes

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Module 7

- Introduction to String.
- String Class Functions.
- StringBuffer Class.
- StringBuilder Class.

Module 8

- Introduction to Exceptions.
- try and catch block.
- throw, throws, and finally.
- User-Defined Exception.

Module 9

- Method Overriding with Exception Handling.
- Introduction to Multi-threading.
- Thread Class.
- Creating a thread.
- Joining threads.

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Module 10

- Synchronization.
- Enumerations.
- Java IO Stream.
- Serialization and Deserialization.

Module 11

- Networking in Java
- Generics
- Introduction to Collection
- Collection Interfaces
- Collection Classes

Module 12

- Iterator and ListIterator.
- Map Interface.
- Comparator Interface.
- Legacy Classes.
- Applet.
- Event Handling.

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Module 13

- Introduction to JDBC.
- SQL Package.
- Steps to Connect to Database.
- Connecting to MySQL Database.

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