

## Curriculum

- **INTRODUCTION**

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- \* ... [Historical Perspective of Java](#)
- \* ... [Installing JAVA](#)
- \* ... [Hello World Application](#)
- \* ... [Class & Object](#)
- \* ... [keywords](#)
- \* ... [Identifiers](#)
- \* ... [Datatypes](#)
- \* ... [Arrays](#)
- \* ... [Command line arguments](#)

- **ACCESS CONTROL**

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- \* ... [Package declaration](#)
- \* ... [Accessibility modifiers \(private, default, protected, public\)](#)
- \* ... [Java Program.g Structure](#)

- **OPERATORS and CONTROL FLOW**

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- \* ... [Increment or Decrement Operator](#)
- \* ... [Relational Operators](#)
- \* ... [Equality Operators](#)
- \* ... [Logical and Conditional operators](#)
- \* ... [Ternary operator](#)
- \* ... [Assignment Operators](#)
- \* ... [Selection Statements](#)
- \* ... [Iteration Statements](#)
- \* ... [Transfer Statements](#)

- **OBJECT ORIENTED PROGRAM**

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- \* ...: Encapsulation
- \* ...: Inheritance
- \* ...: Polymorphism
- \* ...: Overloading vs Overriding
- \* ...: Constructors
- \* ...: This or super
- \* ...: Final and static
- \* ...: Abstract class and Interface
- \* ...: Marker Interfaces

- **EXCEPTIONS**

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- \* ...: Introduction
- \* ...: Exception Hierarchy
- \* ...: Exception vs Error
- \* ...: Display error information
- \* ...: try-catch-finally
- \* ...: Checked vs Unchecked exceptions
- \* ...: Multiple catch blocks
- \* ...: Nested try blocks
- \* ...: Customized Exceptions
- \* ...: Throw and Throws

- **MULTITHREADING**

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- \* ...: Introduction
- \* ...: Thread class
- \* ...: Runnable Interface
- \* ...: Main thread
- \* ...: Thread Priorities
- \* ...: Thread names

\* ...: [Sleep\(\) vs Join\(\)](#) ...

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\* ...: [Synchronization](#)

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\* ...: [Inter-thread communication](#)

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- **COLLECTIONS and GENERICS**

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\* ...: [Legacy classes](#)

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\* ...: [Collection Framework](#)

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\* ...: [Collection and Collections](#)

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\* ...: [Collection properties](#)

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\* ...: [Vector](#)

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\* ...: [Enumeration, Iterator, ListIterator](#)

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\* ...: [Sorting collection elements](#)

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\* ...: [Stack and Queue](#)

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\* ...: [Set, HashSet, LinkedHashSet, TreeSet](#)

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\* ...: [Map, Hashtable, HashMap, TreeMap Class](#)

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\* ...: [Eclipse](#) .

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- Spring and Spring BOOT
  - REACTJS
  - MySQL
  - Work Bench
  - CRUD Operations
  - DB Connectivity
  - HTML
  - CSS
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