

Java - Curriculum

Sl.No	Topic
1	Basics
1.1	Basic Syntax
1.2	DataTypes and Variables
1.3	Conditions
1.4	Functions
1.5	Loops
1.6	DataStructures
1.7	OOPs
1.8	Exception Handling
1.9	Packages
1.10	File Handling
2	Advanced
2.1	JVM
2.2	Threads
2.3	Garbage
2.4	Generics
2.5	Streams
2.6	Memory Management
2.7	Collection Framework
2.8	Serialization
2.9	Networking and Sockets
3	Java Frameworks
3.1	a. Build Tools <ul style="list-style-type: none">i. Gradleii. Maven
3.2	b. Web Frameworks (Basics) <ul style="list-style-type: none">i. Springii. Spring Boot

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3.3	c. ORM i. JPA ii. Spring Data JPA iii. Hibernate
3.4	d. JDBC i. JDBC Template ii. JDBI3
3.5	e. Logging i. Log4J2
3.6	f. Web Frameworks (Advanced) 1. Core 2. Security 3. Data 4. MVC

PROJECT	
1	Calculator Built in Java
2	Build a Dynamic website using Java Servlets and JDBC
3	Employee Management System Web App on Spring