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Session	Topics	Hands-on Activity
Session 1	<ul style="list-style-type: none">✓ Introduction to Java Full Stack Development✓ Overview of Frontend, Backend, and DB	Intro, tools setup (Eclipse or VS Code), sample demo walkthrough
Session 2	<ul style="list-style-type: none">✓ Java Basics (Variables, Data Types, Loops, OOP)	Java console app: Student class with display function
Session 3	<ul style="list-style-type: none">✓ Java Arrays & Collections✓ Class, Object, Encapsulation, Inheritance, Abstraction, Polymorphism	Java program to store a list of students and print their info
Session 4	<ul style="list-style-type: none">✓ File Handling and JDBC (MySQL connection)	Connect Java to MySQL and perform insert/display queries
Session 5	<ul style="list-style-type: none">✓ Servlet Basics✓ Web.xml, doGet/doPost	Create a form and handle submission via Servlet
Session 6	<ul style="list-style-type: none">✓ JSP Introduction✓ Implicit Objects, Scriptlets	Student registration using JSP + Servlet + MySQL
Session 7	<ul style="list-style-type: none">✓ MVC Design Pattern✓ Servlet as Controller	Create MVC-based mini app: Add/View student records
Session 8	<ul style="list-style-type: none">✓ Introduction to Hibernate ORM✓ Configuration, CRUD	Hibernate setup: create entity, save and fetch students
Session 9	<ul style="list-style-type: none">✓ Spring Boot Introduction✓ Create REST APIs	Build a Spring Boot project and expose /students APIs
Session 10	<ul style="list-style-type: none">✓ Spring Boot + JPA + MySQL✓ Hibernate under the hood	Create full CRUD backend using Spring Data JPA
Session 11	<ul style="list-style-type: none">✓ Frontend with HTML, CSS, JavaScript✓ Fetch API calls to Spring Boot	Create HTML form to consume Spring APIs and display results
Session 12	<ul style="list-style-type: none">✓ Final Project: Student Manager Web App✓ Deployment overview + wrap-up	Build & present: add/edit/delete/search students, feedback session