Advanced Java - Day wise Syllabus

Day	Topics (2 hours/day)
1	Basics of SQL and DDL,DML statements in SQL, Oracle 11g installation
2	What is JDBC, JDBC Driver types, Database Data types
3	Steps to connect to in JDBC
4	Transaction management, Exception Handling,
5	Batch Processing **Exercise on SQL and JDBC.**
6	Overview of HTML, How to create your first HTML page, Tags and Attributes
7	Paragraph ,Style and Formatting, Text items, Creating tables
8	Creating links and lists, Creating backgrounds, Forms in HTML
9	**Exercise on HTML.**
10	XML Fundamentals, XML Document Structure, XML Parsers, XML DTDs, XML Schema
11	Introduction to Web application, Building and deploying Web application, Introduction to HTTP
12	Basics of Servlet, Servlet Life Cycle, Types Of Servlet
13	Servlet Request and Response, Servlet Handling, Database Connectivity in Servlet
14	Exception handling, Session handling, Page redirection, Uploading Files, Auto refreshing
15	**Exercise on Servlets.**
16	Introduction to JSP, How to create your first JSP.
17	Components of JSP – Scriplets, expression and declaration,
18	Implicit Objects,
19	Action elements,
20	HTML Forms, MVC architecture
21	Session handling, JSP-Auto refresh
22	Overview, Variables, Operators,

23	Objects ,Control Flow Statements,
24	Functions ,Error Handling, Event handling, Validations
25	JavaScript Window, JavaScript Documents.
26	**Exercise in JSP and Javascript.**
27	Overview of EJB, Components of EJB, Session Beans, Message-Driven Beans, JMS API
28	**Case study : Implementing a rich client application using JSP/JavaScript/Servlets/JDBC**