

Advance java course structure

Pre-requisite : Oops and Exception handling (Core java)

Syllabus:

I. JDBC

1. Understanding Class.forName(-)
2. Need of JDBC
3. Types of Jdbc drivers
4. 3 Statement objs (Simple Statement, PreparedStatement, CallableStatement)
5. ResultSet objs
6. Batch Processing/Updation
7. Transaction management
8. Working with diff DB s/ws
9. Working with Dates, BLOB and CLOB vlaues
10. JDBC 3.0 & 4.0 Features
11. Working with Type3 and Type5 jdbc drivers
12. Misc Discussions

II. SERVLETS

1. Introduction
2. Web application Architecture
3. Web Server & Containers

4. Http Protocol
5. Web application development
6. Understanding Servlet api
7. Html-Servlet Communication
8. Servlet Life Cycle
9. Deployment of webapliation in different severs
10. Servlet to DB s/w communcation (with jdbc connection pooling)
11. Servlet to Servlet Communcation(Servlet Chaining)
12. SessionTracking
13. Servlet Filters & wrappers
14. Servlet Listeners
15. File Uploading and Downloading
16. Annotations based servlet programming
17. Web-Security
18. Misc Discussions

III. JSP

1. Introduction
2. JspLifeCycle
3. Jsp Implicit Objects & Scopes
4. Jsp Scripting tags
5. Jsp Directives tags

6. Jsp Actions

- a. Standard Actions
- b. Custom Actions

7. JSTL

8. understanding model1,mvc1,mvc2 architectures

9. Mini Projects

10. Misc Discussions

IV. IDE

1. MyEclipse
2. NetBeans
3. Eclipse