



## Advnace Java

### Week 1

#### 1. Servlet:

- 1.1 Web Application Basics.
- 1.2 Architecture and challenges of Web Application.
- 1.3 Introduction to servlet
- 1.4 Servlet life cycle
- 1.5 Developing and Deploying Servlets
- 1.6 Exploring Deployment Descriptor (web.xml).

### Week 2

#### 1. Handling Request and Response

#### 2. Initializing a Servlet

#### 3. Accessing Database

#### 4. Servlet Chaining

#### 5. Session Tracking & Management

#### 6. Dealing with cookies

#### 7. Transferring Request

#### 8. Accessing Web Context

#### 9. Passing INIT and CONTEXT Parameter



## Week 3

1. Sharing information using scope object
2. Controlling concurrent access
3. User Authentication
4. Filtering Request and Response
5. Programming Filter
6. Filter Mapping
7. Servlet Listeners

## Week 4

### 1. Java Server Pages:

- 1.1 Basic JSP Architecture
- 1.2 Life Cycle of JSP (Translation, compilation)
- 1.3 JSP Tags and Expressions
- 1.4 Role of JSP in MVC-2
- 1.5 JSP Scripting Element.
- 1.6 JSP with Database

## Week 5

1. JSP Implicit Objects
2. Tag Libraries
3. JSP Expression Language (EL)



## 4. Using Custom Tag

## 5. JSP Capabilities:

- 5.1 Exception Handling
- 5.2 Session Management
- 5.3 JSP Directives
- 5.4 JSTL.

## Week 6

- 1 JSP with Java Bean
- 2 ALL Practical Related To Jsp and Servlet.

## Practical : Dynamic Web Project

- 1 CRUD Demo Using Servlet.
- 2 CRUD Demo Using JSP.
- 3 Image Upload Using Jsp & servlet.
- 4 Login Demo Using Jsp & servlet.
- 5 Static Pagination Using Servlet.
- 6 Static Pagination Using Jsp.
- 7 Dynamic Pagination Using Jsp & Servlet.
- 8 Jsp Crud using UseBean Concept.

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