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Advance Java

Session Plan

- ✓ Introduction to JEE

- ✓ Servlet API

- ✓ Filters

- ✓ Listeners

- ✓ Java Server Pages (JSP)

- ✓ Calling JSP from Servlets

- ✓ Developing Custom Tags

- ✓ JSTL

- ✓ Asynchronous web applications

- ✓ Web application security

Day 1

JavaEE - Servlet API

I   8/9/2024

- Introduction to Java EE Architecture

- Different Types of Servers

- Http Stateless Protocol and its methods

- Java Servlet Technology

- The Model-View-Controller (MVC) Architecture

- Java EE Containers and Java Application Servers

- Life Cycle of a Servlet

- Requests from the Client Browser

- HTML Forms to Collect Data from Users

- How Form Data Is Sent in an HTTP Request

- Servlet that Retrieves Form Parameters

- ServletConfig and ServletContext Interfaces

- Redirecting using RequestDispatcher

- Redirecting using sendRedirect

Day 2 — Filters, Listeners

- Web Container Request Cycle

- Session Management with 4 ways

- Filter API

- Filter Class

- Configuring a Filter in the web.xml File

- ServletRequestListener Interface

- ServletContextListener Interface

- HttpSessionListener Interface

Day 3

Java Server Pages (JSP)

Java Server Pages (JSP)

- Introduction and Life Cycle of JSP

- JSP Scriptlets Tags

- JSP Expressions Tags

- JSP Declarations Tags

- JSP Implicit Object

- JSP Action Tags

Day 4

Calling JSP from Servlets, Developing Custom Tags

Calling JSP from Servlets & Developing Custom Tags

- Forwarding Java objects to JSP

- Use request, session, and application objects to store data

- Creating custom tags with JSP 2 tag files

- Customizing tag behavior with attributes

Day 5

JSTL, Asynchronous Web Application

JSTL & Asynchronous web applications

- JSTL (JSP Standard Tag Library)

- Advantage of JSTL

- Types of Tags

- Core and Formatting Tags

- Asynchronous Servlet Mechanism

- JavaScript to Send an HTTP Request from a Client

Day 6

Web Application Security

- HTTP Response Entirely in JavaScript

- Combining These Techniques to Create the Effect of Server-push.

- Role of the container in Security.

- Describe and implement four authentication models.

- Encryption between a web application and the client browser.

- Role of JAAS in pluggable/extensible authentication for web applications.

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THANK YOU

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Mphasis (BSE: 526299; NSE: MPHASIS) applies next-generation technology to help enterprises transform businesses globally. Customer centricity is foundational to Mphasis and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized ($C=X2C^2_{TM}=1$) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization are key to building strong relationships with marquee clients. Click here to know

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