

ADVANCE JAVA



CURRICULUM

6 WEEKS

JAVA EE(JAVA PLATFORM ENTERPRISE EDITION)

- Understanding the Concept of Java EE : JEE Specification
- Java EE Architecture
 - Single Tier
 - Two Tier
 - Three Tier
 - N-Tier
- Java EE Components
- Web Components
- Distributed(Business) Components
- Java EE Containers& Servers
- Web Container& Web Server(Apache Tomcat)
- EJB Container& Application Server(Weblogic,Glassfish,Websphere)
- Java EE Services
 - JNDI Service
 - Java Transaction Service
 - JAAS
 - JMS

JAVA SERVLET

- Introduction to web programming
- Role of Servlet in web programming
- Servlet Lifecycle
- Servlet with Annotations
 - @WebServlet
 - @WebInitParam
 - @WebListener
 - @WebFilter
 - @MultipartConfig
- Request Dispatching
- Parameters & Attributes and their differences
- ServletConfig and ServletContext
- File Uploading and Downloading
- Session Tracking&State Management
 - Cookie
 - Url Rewriting
 - Hidden Form Field
 - Session Object
- Events & Listeners
- Dependency Injection
- Refreshing Servlet
- Filters

JAVA SERVER PAGES (JSP) & JSTL

- JSP Architecture
- JSP Elements
- JSP Objects
- Understanding JavaBeans
- Custom Tags
- Using tags of JSTL
- Expression Language

PROJECT

PROJECT CLASSES

- Front End Coding
- FORM DESIGNING
 - HTML
 - CSS
 - JAVA SCRIPT
 - BOOTSTRAP
- Back End Coding
- DATABASE DESIGNING
- Connecting forms to database
- Writing Business Logic
- Project Hosting

DESIGN PATTERN

- Why Design Patterns...?
- Front Controller
- Composite View
- Factory Pattern
- Singleton Pattern
- DAO Pattern

JAVA MAIL API

- Email System and Protocols
- Sending & Receiving Mails
- Handling Attachments

INTRODUCTION TO DISTRIBUTED PROGRAMMING

- RMI
- Web Services

INTRODUCTION TO RESTFULL SERVICES

- @PathParam
- @Path
- @FormParam
- @QueryParam
- @DefaultValue

OVERVIEW OF JPA FRAMEWORK

Partners :



Java



development | consultancy | training

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