



Advance Java with Project (6 Weeks)



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ABOUT GRADS IT:

Grads It is an innovator in Big Data, Cloud, Security, IoT and Professional Services.

WHY US:

1. Subjective expertise, with an industry relevance.
2. 20 years + experience in corporate training, mentoring & hiring.
3. Utilisation of advanced technologies.
4. Industry-focused project management approach.

Website Designing:

- HTML
- CSS
- Bootstrap Framework
- Material Design

Web Application and Introduction to Servlet :

- Web Application Definition
- Understanding HTTP, We will review and go into the details of HTTP specifications
- Structure of HTTP Request & Response
- Servlet life cycle
- Developing and Deploying Servlets
- Exploring Deployment Descriptor (web.xml)
- Handling Request and Response
- Servlet Config and ServletContext
- Tomcat and JBOSS
- Accessing Web Context
- Controlling concurrent access
- Passing INIT and CONTEXT Parameter
- Session Tracking and Management
- User Authentication and Authorization
- Servlet filters
- Servlet Listeners



- ◆ Handling Exceptions
- ◆ Servlet 2.5 specifications
- ◆ Debugging techniques

JSP:

- ◆ Basic JSP Architecture
- ◆ Life Cycle of JSP (Translation, compilation)
- ◆ JSP Tags and Expressions
- ◆ Using Custom Tag
- ◆ JSP Implicit Objects
- ◆ Session Management
- ◆ JSP Expression Language (EL)
- ◆ Exception Handling
- ◆ Directives
- ◆ JSP with Java Bean
- ◆ JSTL Tag Libraries
- ◆ Using JSP with servlets
- ◆ Defining Methods and Classes inside JSP

JavaScript, AJAX and JQuery :

- ◆ Introduction to Javascript
- ◆ Javascript in action
- ◆ Working with AJAX
- ◆ Introduction to JQuery
- ◆ Synchronous vs. Asynchronous Communication
- ◆ XMLHttpRequest Object
- ◆ Error
- ◆ Handling
- ◆ Formats used for transferring data: Plain text, XML, JSON
- ◆ DOM APIs using JavaScript: Page Rendering, Adding Behaviour through Events
- ◆ Debugging using Error Console (IE and Firefox), FireBug
- ◆ JQuery Setup



- ◆ DOM and Event Enhancements
- ◆ UI Library Overview (Date Picker, Auto-Complete, etc.)

Database:

- ◆ Database Introduction
- ◆ RDBMS Concepts DataBase design, SQL
- ◆ Views: Introduction to views, data independence, security, updates on views, comparison between tables and views
- ◆ SQL: data definition, aggregate function, Null Values, nested sub queries, Joined Relations, Triggers
- ◆ Detailed SQL queries
- ◆ JDBC
- ◆ Exhaustive Look at JDBC by using connected and disconnected operations Stored
- ◆ Procedures
- ◆ Assignment(s) and Best Practices

Others:

Introduction to Big Data - Hadoop

***PROJECT :**



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