**Introduction to Java EE**

# Introduction to Web Applications

# About Java EE & its API’s

# Java EE 3-Tier Architecture

# Java EE 2-Tier Architecture

**JDBC Table of Contents**

# Introduction

* About JDBC
* JDBC Pre-Requirements
* Installing MySQL DB Server
* First JDBC Program

# Drivers

* Introduction
* JAR File
* About Driver Class
* How to Load the Driver Class into Program
* Driver Types

# DB URL

# Connection Interface

* DriverManager Class
* getConnection() methods
* Connection Object

# JDBC Statements

* Introduction
* Dynamic & Static SQL Queries
* Statement & PreparedStatement
* executeQuery() & executeUpdate() Methods

# ResultSet

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END of JDBC \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Servlets Table of Contents**

# Introduction

* Web Browser
* Web Resources
* Web Application
* Web Sever
* Installation of Tomcat Webserver

# About Servlets

* Servlets Introduction
* Creating the First Servlet
* WAR File
* Build & Deployment Process

# Web URL

* Web URL Structure
* Query String
* HTTP & HTTPS Protocols
* Key Elements of HTTP Request & HTTP Response
* HTTP Methods
* Difference between GET & POST

# Servlet Container

* About Servlet Container & its advantages
* Request & Response Objects
* getParameter() & getParameterValues() Methods
* About XML
* About Deployment Descriptor (web.xml)

# Servlet Hierarchy

* GenericServlet
* HttpServlet
* Difference between GenericServlet & HttpServlet
* Servlet Lifecycle
* SingleThreadModel Servlets

# ServletContext & ServletConfig

# Redirect, Forward & Include

# Attributes

# Cookies

* Introduction
* Persistent & Non-Persistent Cookies

# Session

* Introduction
* Advantages of Session
* Steps to work with session
* URL Rewriting

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END of Servlets \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**JSP Table of Contents**

# Introduction

* About JSP
* Difference between Servlets & JSP

# JSP Lifecycle

# JSP Objects

* Objects Scope in JSP
* Implicit Objects

# JSP Tags

* Declaration Tag
* Expression Tag
* Scriptlet Tag
* Action Tag

1. Forward Action
2. Include Action
3. UseBean Action

* Directive Tag
  1. Include Directive
  2. TagLib Directive
  3. Page Directive

**5. Exception Handling in JSP**

**6. Implementing the Single Thread Model in JSP**

**7. Redirect in JSP**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END of JSP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***