

JDK,Eclipse/Netbeans IDE,MySQL/Oracle

CHAPTER 1 : Swing

- * Basics of Swing
- * JButton class
- * JRadioButton class
- * JTextArea class
- * JComboBox class
- * JTable class
- * JColorChooser class
- * JProgressBar class
- * JSlider class
- * Digital Watch
- * Graphics in swing
- * Displaying Image ,Toolbar,Slider,Progress bar etc
- * Edit Menu for Notepad
- * Open Dialog Box
- * Creating Notepad
- * Creating Games and applications

CHAPTER 2 : LayoutManagers

- * BorderLayout
- * GridLayout
- * FlowLayout
- * BoxLayout
- * CardLayout

CHAPTER 3 : SERVLET

- * **Servlet: What and Why?**
- * **Basics of Web**
- * **Servlet API**
- * **Servlet Interface**
- * **GenericServlet**
- * **HttpServlet**
- * **Servlet Life Cycle**
- * **Working with Apache Tomcat Server**
- * **Steps to create a servlet in Tomcat**
- * **How servlet works?**
- * **servlet in Myeclipse**
- * **servlet in Eclipse**
- * **servlet in Netbeans**

ServletRequest

- * **ServletRequest methods**
- * **Registration example with DB**

Servlet Collaboration

- * **RequestDispatcher**
- * **sendRedirect**

ServletConfig

- * **ServletConfig methods**
- * **ServletConfig example**

ServletContext

- * ServletContext methods

- * ServletContext example

Attribute

- * How to set, get and remove example?

Session Tracking

- * Cookies

- * Hidden Form Field

- * URL Rewriting

- * HttpSession

Event and Listener Filter

- * Filter

- * Authentication Filter

- * FilterConfig

- * Useful examples

CHAPTER 4 : JSP

- * Life cycle of JSP

- * JSP API

- * JSP in Eclipse and other IDE's

Scripting elements

- * scriptlet tag

- * expression tag

- * declaration tag

Implicit Objects

- * out

- * request
- * response
- * config
- * application
- * session
- * pageContext
- * page
- * exception

Directive Elements

- * page directive
- * include directive
- * taglib directive

Exception Handling

Action Elements

- * jsp:forward
- * jsp:include
- * Bean class
- * jsp:useBean
- * jsp:setProperty & jsp:getProperty
- * Displaying applet in JSP

CHAPTER 5 : JavaMail API

- * Sending Email
- * Sending email through Gmail server
- * Receiving Email

- * **Sending HTML content**

CHAPTER 6 : Introduction to JavaEE

- * **The Need for JavaEE.**
- * **Overview on the JavaEE Architecture**
- *1 tier
- *2 tier
- *3 tier
- *N tier
- * **JavaEE Key Standards**

CHAPTER 7: Introduction to EJB3

- * **The EJB Model**
- * **Key Services of the Application Server**

Developing Session Beans

- * **Stateless Session Beans**
- * **Stateful Session Beans**
- * **Packaging**
- * **Writing Clients**

Using Dependency Injection

- * **No More JNDI**
- * **Injection of EJBContext**

JMS

- * **JMS Overview**
- * **JMS Messaging Domains**
- * **Example of JMS using Queue**

- * Example of JMS using Topic

Message Driven Beans

Project