**Java Development**

**Servlet**

Basics of Servlet

https://sssit.org/images/check.pngServlet: What and Why?   
https://sssit.org/images/check.pngBasics of Web   
https://sssit.org/images/check.pngServlet API   
https://sssit.org/images/check.pngServlet Interface   
https://sssit.org/images/check.pngGeneric Servlet   
https://sssit.org/images/check.pngHttp Servlet   
https://sssit.org/images/check.pngServlet Life Cycle   
https://sssit.org/images/check.pngWorking with Apache Tomcat Server   
https://sssit.org/images/check.pngSteps to create a servlet in Tomcat   
https://sssit.org/images/check.pngHow servlet works?   
https://sssit.org/images/check.pngservlet in My Eclipse   
https://sssit.org/images/check.pngservlet in Eclipse   
https://sssit.org/images/check.pngservlet in NetBeans

ServletRequest

https://sssit.org/images/check.pngServlet Request methods   
https://sssit.org/images/check.pngRegistration example with DB

Servlet Collaboration

https://sssit.org/images/check.pngRequest Dispatcher   
https://sssit.org/images/check.pngsend Redirect

ServletConfig

https://sssit.org/images/check.pngServletConfig methods   
https://sssit.org/images/check.pngServletConfig example

ServletContext

https://sssit.org/images/check.pngServletContext methods   
https://sssit.org/images/check.pngServletContext example

Attribute

https://sssit.org/images/check.pngHow to set, get and remove example?

Session Tracking

https://sssit.org/images/check.pngCookies   
https://sssit.org/images/check.pngHidden Form Field   
https://sssit.org/images/check.pngURL Rewriting   
https://sssit.org/images/check.pngHttpSession

Event and Listener

Filter

https://sssit.org/images/check.pngFilter   
https://sssit.org/images/check.pngAuthentication Filter   
https://sssit.org/images/check.pngFilterConfig   
https://sssit.org/images/check.pngUseful examples

Servlet Input Stream and Servlet Output Stream

Annotation Servlet

Project Development

**JSP**

Basics of JSP

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https://sssit.org/images/check.pngJSP API   
https://sssit.org/images/check.pngJSP in Eclipse and other IDE's

Scripting elements

https://sssit.org/images/check.pngscriptlet tag   
https://sssit.org/images/check.pngexpression tag   
https://sssit.org/images/check.pngdeclaration tag

9 Implicit Objects

https://sssit.org/images/check.pngout   
https://sssit.org/images/check.pngrequest   
https://sssit.org/images/check.pngresponse   
https://sssit.org/images/check.pngconfig   
https://sssit.org/images/check.pngapplication   
https://sssit.org/images/check.pngsession   
https://sssit.org/images/check.pngpageContext   
https://sssit.org/images/check.pngpage   
https://sssit.org/images/check.pngexception

Directive Elements

https://sssit.org/images/check.pngpage directive   
https://sssit.org/images/check.pnginclude directive   
https://sssit.org/images/check.pngtaglib directive

Exception Handling

Action Elements

https://sssit.org/images/check.pngjsp:forward   
https://sssit.org/images/check.pngjsp:include   
https://sssit.org/images/check.pngBean class   
https://sssit.org/images/check.pngjsp:useBean   
https://sssit.org/images/check.pngjsp:setProperty & jsp:getProperty   
https://sssit.org/images/check.pngDisplaying applet in JSP

Expression Language

MVC in JSP

JSTL

Custom tags

https://sssit.org/images/check.pngCustom Tag : What and Why?   
https://sssit.org/images/check.pngCustom Tag API?   
https://sssit.org/images/check.pngCustom Tag Example   
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Project Development in JSP

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**JavaMail API**

JavaMail API

https://sssit.org/images/check.pngSending Email   
https://sssit.org/images/check.pngSending email through Gmail server   
https://sssit.org/images/check.pngReceiving Email   
https://sssit.org/images/check.pngSending HTML content

**Design Pattern**

Design Pattern

https://sssit.org/images/check.pngSingleton   
https://sssit.org/images/check.pngDAO   
https://sssit.org/images/check.pngDTO   
https://sssit.org/images/check.pngMVC   
https://sssit.org/images/check.pngFront Controller   
https://sssit.org/images/check.pngFactory Method   
https://sssit.org/images/check.pngetc.

**JUnit**

JUnit

https://sssit.org/images/check.pngJUnit: What and Why?   
https://sssit.org/images/check.pngTypes of Testing   
https://sssit.org/images/check.pngAnnotations used in JUnit   
https://sssit.org/images/check.pngAssert class   
https://sssit.org/images/check.pngTest Cases

**Maven**

Maven

https://sssit.org/images/check.pngMaven: What and Why?   
https://sssit.org/images/check.pngAnt Vs Maven   
https://sssit.org/images/check.pngHow to install Maven?   
https://sssit.org/images/check.pngMaven Repository   
https://sssit.org/images/check.pngUnderstanding pom.xml   
https://sssit.org/images/check.pngMaven Example   
https://sssit.org/images/check.pngMaven Web App Example   
https://sssit.org/images/check.pngMaven using Eclipse

**Struts 2**

Basics of Struts2

https://sssit.org/images/check.pngStruts: What and Why?   
https://sssit.org/images/check.pngModel1 vs Model2   
https://sssit.org/images/check.pngStruts2 Features   
https://sssit.org/images/check.pngSteps to create Struts2 application   
https://sssit.org/images/check.pngUnderstanding Action class   
https://sssit.org/images/check.pngUnderstanding struts.xml file   
https://sssit.org/images/check.pngStruts2 in Eclipse IDE   
https://sssit.org/images/check.pngStruts2 in My Eclipse IDE

Core Components

https://sssit.org/images/check.pngInterceptors   
https://sssit.org/images/check.pngValue Stack   
https://sssit.org/images/check.pngAction Context   
https://sssit.org/images/check.pngAction Invocation   
https://sssit.org/images/check.pngOGNL

Struts 2 Architecture

Struts2 Action

https://sssit.org/images/check.pngAction Interface   
https://sssit.org/images/check.pngAction Support class

Struts2 Configuration

https://sssit.org/images/check.pngmulti configuration   
https://sssit.org/images/check.pngmulti namespace

Interceptors

https://sssit.org/images/check.pngCustom Interceptor : Life Cycle of Interceptor   
https://sssit.org/images/check.pngParams interceptor   
https://sssit.org/images/check.pngExec And Wait interceptor   
https://sssit.org/images/check.pngprepare interceptor   
https://sssit.org/images/check.pngmodel Driven interceptor   
https://sssit.org/images/check.pngexception interceptor   
https://sssit.org/images/check.pngfile Upload interceptor

Struts 2 Validation

https://sssit.org/images/check.pngCustom Validation : workflow interceptor   
https://sssit.org/images/check.pngInput Validation : validation interceptor   
https://sssit.org/images/check.pngAjax Validation : Json Validation interceptor

Aware Interfaces

https://sssit.org/images/check.pngServlet Action Context   
https://sssit.org/images/check.pngSession Aware    
https://sssit.org/images/check.pngLogin and Logout Application   
https://sssit.org/images/check.pngServlet Context Aware

Struts2 with I18N

Zero Configuration

https://sssit.org/images/check.pngBy convention   
https://sssit.org/images/check.pngBy annotation

Struts2 with Tiles2

Hibernate with Struts2

Spring with Struts2

Project Development in Struts2

**Working with IDE**

IDE

https://sssit.org/images/check.pngEclipse IDE   
https://sssit.org/images/check.pngNetBeans IDE   
https://sssit.org/images/check.pngMy Eclipse IDE

**Working with Servers**

Servers

https://sssit.org/images/check.pngApache Tomcat   
https://sssit.org/images/check.pngGlassfish Server   
https://sssit.org/images/check.pngJBoss Server   
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**EJB 3**

Introduction to JavaEE

https://sssit.org/images/check.pngThe Need for JavaEE.   
https://sssit.org/images/check.pngOverview on the JavaEE Architecture   
https://sssit.org/images/check.png1 tier   
https://sssit.org/images/check.png2 tier   
https://sssit.org/images/check.png3 tier   
https://sssit.org/images/check.pngN tier   
https://sssit.org/images/check.pngJavaEE Key Standards

Introduction to EJB3

https://sssit.org/images/check.pngThe EJB Model   
https://sssit.org/images/check.pngKey Services of the Application Server

Developing Session Beans

https://sssit.org/images/check.pngStateless Session Beans   
https://sssit.org/images/check.pngStateful Session Beans   
https://sssit.org/images/check.pngPackaging   
https://sssit.org/images/check.pngWriting Clients

Using Dependency Injection

https://sssit.org/images/check.pngNo More JNDI   
https://sssit.org/images/check.pngInjection of EJBContext

JMS

https://sssit.org/images/check.pngJMS Overview   
https://sssit.org/images/check.pngJMS Messaging Domains   
https://sssit.org/images/check.pngExample of JMS using Queue   
https://sssit.org/images/check.pngExample of JMS using Topic

Message Driven Beans

Persistence Introduction to JPA

https://sssit.org/images/check.pngObject Relational Mapping   
https://sssit.org/images/check.pngMapping configurations   
https://sssit.org/images/check.pngEmbedded Objects   
https://sssit.org/images/check.pngEJBQL