Theory Assignment

Submission Date : 30th November,2020

Web Technology Application

Assignment 1

1. Write briefly about the different implicit objects in JSP.
2. Write briefly about the implicit objects of EL
3. How can you include external pieces in a JSP document? Discuss them.
4. Compare JSP with Servlet, ASP, PHP and JavaScript.
5. What is a JSP and the tags to work with the bean?
6. What are the different scopes of the beans created. Explain with example.
7. What is the difference between JSP include directive and jsp:include action tag ?
8. Compare Expression Language with useBean tags.
9. How are JSPs and Servlets related?
10. Give the types of JSP Scripting Elements?

Assignment 2

1. Compare sendRedirect and forward method
2. Discuss the advantages of JSP as compared to servlets.
3. Give an overview of various methods of invoking java code in JSP with example.
4. What are JSP directives and how are they different from the scripting elements?
5. Discuss the attributes of the page directive
6. Compare jsp:forward with jsp:include
7. What are JSP actions?
8. Explain jsp:fallback
9. What is a bean? Explain in detail.
10. How are beans created conditionally?

Assignment 3

1. Explain the significance of RequestDispatcher in MVC architecture.
2. What are the steps for implementing MVC?
3. You have one web application named – MyWebApps. Draw the web application structure for the following files:
   1. index.html
   2. web.xml
   3. myResult.jsp
   4. myClass1.java and myclass1.class
   5. myClass2.java and myclass2.class
4. Why MVC framework is required to build complex applications?,,,,,,
5. Discuss the operators available in EL.
6. How can you access a scoped variable using expression language? Explain with example
7. How can you evaluate the expression conditionally with EL?
8. What are Beans? Explain the required steps for implementing MVC with RequestDispatcher with example code.
9. Write the JSP comment syntax.
10. Explain the attributes of getProperty and setProperty tag of jsp.

Assignment 4

1. How to access nested bean and collections in JSP using EL?
2. How to access the body content of the tag in JSTL?
3. State the advantages of declarative security over programmatic security. Compare form based Authentication and Basic Authentication.
4. Explain the steps for creating basic filters.
5. What is the purpose of “tld” file? Explain the basic structure of the tld file for creating custom tags with attributes.
6. Write down steps to handle all security programmatically
7. Discuss various filter-mapping elements.
8. What is tag file?
9. What is the use of <load-on-startup> element of web.xml?
10. State the use of <form action=”j\_security\_check” method=”post”>.

Assignment 5

1. Explain c:forEach, c:import and c:url with all the attributes.
2. Define JSTL. State types of JSTL and discuss c:forTokens, c:redirect, c:catch,

c:import and c:param.

1. Explain JSP page directive's import, session, buffer and errorPage attributes with example.
2. What is ServletContextListener? Explain the process of initialization of Commonly used data byServletContextListener interface.
3. Explain the tags used to map a jsp file.
4. What is javaScript ? Explain its features.
5. Write down the properties , methods and events of the following html elements : TEXT,SELECT ,RADIO
6. Describe the advantages and disadvantages of javaScript.
7. How to create a user defined objects in javaScript? Explain with example.
8. Differentiate the following

confirm vs. Prompt dialog box

include directives vs. include action.