Dt : 28/2/2025

Diagram:

Ex:(EL-JSTL Application)

step-1 : Download "jstl-1.2.jar" file from Internet Source.

step-2 : Copy the JSTL jar file into "lib" folder of WEB-INF

step-3 : Type and execute the program

Ex:

input.html

```
<form method="post" action="CoreTags.jsp">
 Enter the String:<input type="text" name="str"><br>
 <input type="submit" value="Display">
```

CoreTags.jsp

```
<%@ page language="java"  contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<!DOCTYPE html> <html> <head>
<meta charset="ISO-8859-1">
```

```
<title>Insert title here</title>

</head>

<body>

<c:set var="n" value="${param.str}" />

<c:forEach var="j" begin="1" end="5">

<c:out value="${n}"/><p>

</c:forEach>

<c:forTokens items="${param.str}" delims=" " var="name">

<c:out value="${name}"/><p>

</c:forTokens>

</body>

</html>
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app>

 <welcome-file-list>

   <welcome-file>input.html</welcome-file>

 </welcome-file-list>

</web-app>
```

==

Note:

 =>In the process of establishing Communication b/w applications in realtime,the

   Web-Application will collect the data into ServletContext and ServletConfig Objects

through web.xml.

=>The information in ServletContext Object can be shared by all Servlet and JSP programs

  of application.

=>The information in 'ServletConfig' is used by only one Servlet Program

 ---

faq:

define 'Filter' in Servlet Programming?

 =>'Filter' is a pre-processing component executed before Servlet program,which means

  Filter will accept the request first and then sends to Servlet-program

 =>Filter and Servlet programs are executed with same url-pattern,but Filter will have

  highest priority in execution than Servlet.

Note:

 =>In realtime filters are used in WebServices.

 ---

faq:

define "listener" in Servlet Programming?

 =>The program which is executed background to Servlet-Objects is known as Listener.

 =>In Servlet Programming,we can add listeners to the following three Servlet Objects:

   (a)ServletContext - ServletContextListener,ServletContextAttributeListener

   (b)ServletRequest - ServletRequestListener,ServletRequestAttributeListener

   (c)HttpSession   - HttpSessionListener,HttpSessionAttributeListener

 ===