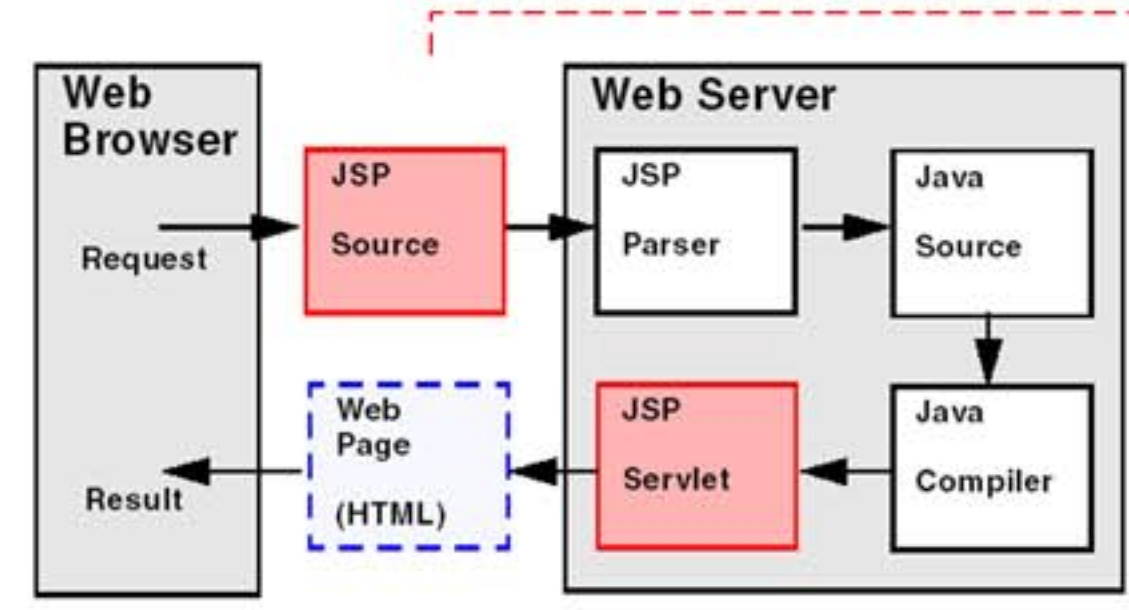


EAR Files
Enterprise archive → J2EE application that can be deployed in WebSphere application server.

WAR Files
Web archive → contain components of Web application (HTML, CSS, JSP, Servlets, Compiled Java, Images)

JAR
Java archive → stores multiple files in a single archive file.



JSP Sample

```

<html>
<title>Date Display</title>
<body>

<!-- DIRECTIVES -->
<%@ page language = "java" %>
<%@ page import = "java.util.*" %>
<%@ page contentType = "TEXT/HTML" %>

<!-- SCRIPTLETS -->
<H3>
<%
if (Calendar.getInstance().get(Calendar.AM_PM) == Calendar.AM)
{
How are you this morning,
} else {
How are you this afternoon,
}
%>
WebSphere 3 User ?
</H3>
<HR>

<!-- ACCESSING IMPLICIT OBJECTS -->
<% out.println("Here is the <b>Date Display JSP</b>"); %>

<!-- DECLARATIONS -->
<%!
private int calledCount = 0;
private String getDate(GregorianCalendar gcalendar) {
StringBuffer dateStr = new StringBuffer();
dateStr.append(gcalendar.get(Calendar.DATE));
dateStr.append("/");
dateStr.append(gcalendar.get(Calendar.MONTH) + 1);
dateStr.append("/");
dateStr.append(gcalendar.get(Calendar.YEAR));
return (dateStr.toString());
}

private int incrementCounter() {
return (++calledCount);
}
%>

<H1> Today's Date is: <%= getDate(new GregorianCalendar()) %> </H1>
<H1> This page has been called: <%= incrementCounter() %> time(s)</H1>
</body>
</html>

```

```

<HTML>
<HEAD> <TITLE>Call Servlet</TITLE> </HEAD>

<H1> Department Listing with a JSP and TSX tags </H1>

<tsx:dbconnect id="conn"
userid="itso" passwd="itso"
url="jdbc:db2:sample"
driver="COM.ibm.db2.jdbc.app.DB2Driver">
</tsx:dbconnect>

<tsx:dbquery id="dept" connection="conn" >
SELECT * FROM DEPARTMENT ;
</tsx:dbquery>

<tsx:repeat index="deptidx">
<H2> <tsx:getProperty name="dept" property="DEPTNAME" /> </H2>

<tsx:dbquery id="emp" connection="conn" >
SELECT FIRSTNAME, LASTNAME FROM EMPLOYEE
WHERE WORKDEPT = '<tsx:getProperty name="dept" property="DEPTNO"/>';
</tsx:dbquery>

<tsx:repeat index="empidx">
<LI> <tsx:getProperty name="emp" property="FIRSTNAME" />
<tsx:getProperty name="emp" property="LASTNAME" />
</tsx:repeat>

</tsx:repeat>
</BODY>
</HTML>

```

