**Practical 5**

**Aim:**

**5.10: JSP JSTL Formating Tags**.write one program per tag. (Short programs)   
  
<fmt:formatNumber>, <fmt:parseNumber>, <fmt:formatDate>, <fmt:parseDate>, <fmt:timeZone>, <fmt:setTimeZone>, <fmt:message>

**Program code:**

**formatdate.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt" %>

<html>

<head>

<title>JSTL Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing :format data Tag</h4>

<h3>Number Format:</h3>

<c:set var="now" value="<%=new java.util.Date()%>" />

<p>Formatted Date (1): <fmt:formatDate type="time" value="${now}" /></p>

<p>Formatted Date (2): <fmt:formatDate type="date" value="${now}" /></p>

<p>Formatted Date (3): <fmt:formatDate type="both" value="${now}" /></p>

<p>Formatted Date (4): <fmt:formatDate pattern="yyyy-MM-dd" value="${now}"/></p>

</body>

</html>

**Message.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt" %>

<html>

<head>

<title>JSTL Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing message Tag</h4>

<fmt:setLocale value="en"/>

<fmt:setBundle basename="bits edu campus" var="lang"/>

<fmt:message key="count.one" bundle="${lang}"/><br/>

<fmt:message key="count.two" bundle="${lang}"/><br/>

<fmt:message key="count.three" bundle="${lang}"/><br/>

</body>

</html>

**Forum.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt"%>

<html>

<head>

<title>JSTL fmt:formatNumber Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing formatnumber Tag</h4>

<h3>Number Format:</h3>

<c:set var="balance" value="12322231.2334" />

<p>Formatted Number (1): <fmt:formatNumber value="${balance}"

type="currency" /></p>

<p>Formatted Number (2): <fmt:formatNumber type="number"

maxIntegerDigits="3" value="${balance}" /></p>

<p>Formatted Number (7): <fmt:formatNumber type="percent"

maxIntegerDigits="3" value="${balance}" /></p>

<p>Formatted Number (8): <fmt:formatNumber type="number"

pattern="###.###E0" value="${balance}" /></p>

<p>Currency in USA : <fmt:setLocale value="en\_US" /> <fmt:formatNumber

value="${balance}" type="currency" /></p>

</body>

</html>

**Timezone.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt" %>

<html>

<head>

<title>JSTL Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing timezone Tag</h4>

Date in the GMT-8 time zone:

<c:set var="today" value="<%=new java.util.Date()%>" />

<c:set var="timeZone" value="GMT-8"/> <fmt:timeZone value="${timeZone}">

<strong>

<fmt:formatDate value="${today}" timeZone="${timeZone}" type="both" />

</strong>

</fmt:timeZone>

</body>

</html>

**Settimezone.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt" %>

<html>

<head>

<title>JSTL fmt:setTimeZone Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing parseDate Tag</h4>

<c:set var="now" value="<%=new java.util.Date()%>" />

<fmt:setTimeZone value="GMT-8" />

<p>Date in Changed Zone: <fmt:formatDate value="${now}"

type="both" timeStyle="long" dateStyle="long" /></p>

</body>

</html>

**Parsenum.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt" %>

<html>

<head>

<title>JSTL fmt:parseNumber Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing :parseNumber Tag</h4>

<h3>Number Parsing:</h3>

<c:set var="number" value="128453.5421" />

<fmt:parseNumber var="i" type="number" value="${number}" />

<p>Parsed Number (1) : <c:out value="${i}" /></p>

<fmt:parseNumber var="i" integerOnly="true" type="number"

value="${number}" />

<p>Parsed Number (2) : <c:out value="${i}" /></p>

</body>

</html>

**Parsedate.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt" %>

<html>

<head>

<title>JSTL Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing parseDate Tag</h4>

<h3>Date Parsing:</h3>

<c:set var="now" value="20-03-2016" />

<fmt:parseDate value="${now}" var="parsedEmpDate" pattern="dd-MM-yyyy" />

<p>Parsed Date: <c:out value="${parsedEmpDate}" /></p>

</body>

</html>

**Formatdate.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt" %>

<html>

<head>

<title>JSTL Tag</title>

</head>

<body>

<h4>Enrollment No:130050131503</h4>

<h4>Testing :format data Tag</h4>

<h3>Number Format:</h3>

<c:set var="now" value="<%=new java.util.Date()%>" />

<p>Formatted Date (1): <fmt:formatDate type="time"

value="${now}" /></p>

<p>Formatted Date (2): <fmt:formatDate type="date" value="${now}" /></p>

<p>Formatted Date (3): <fmt:formatDate type="both" value="${now}" /></p>

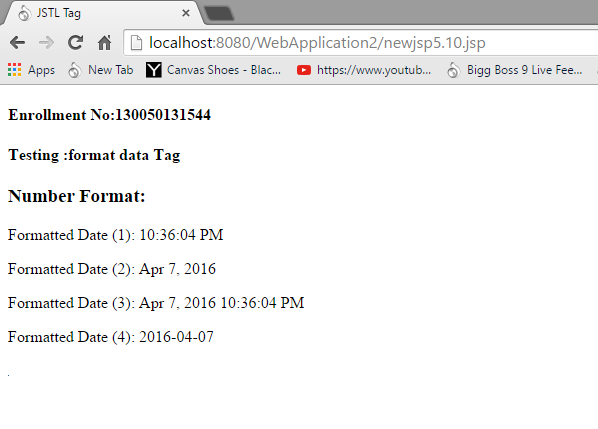
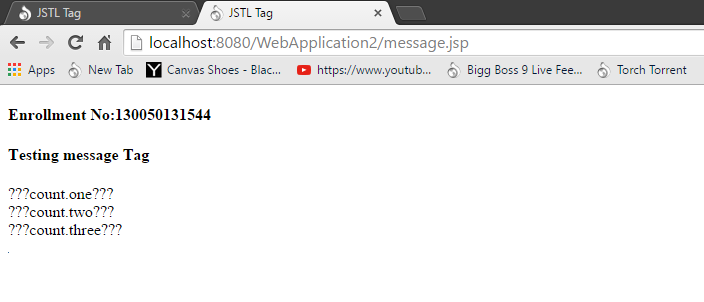
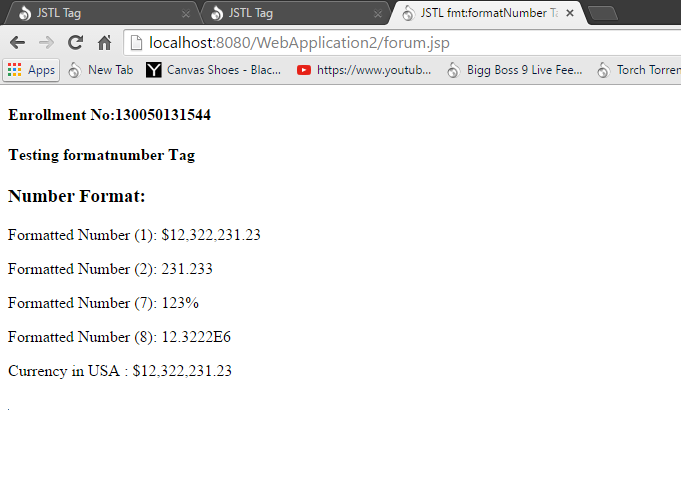
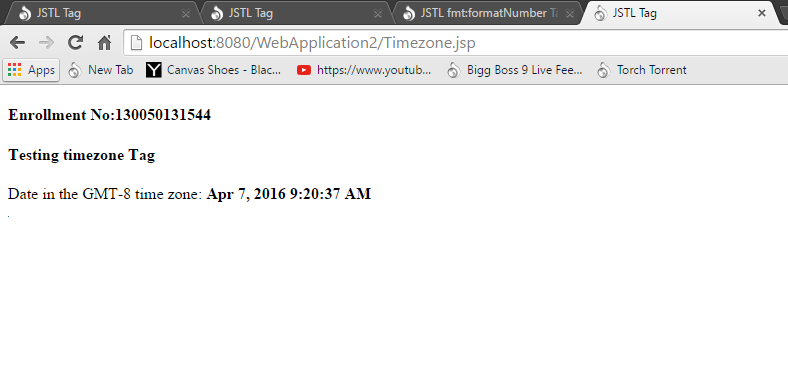
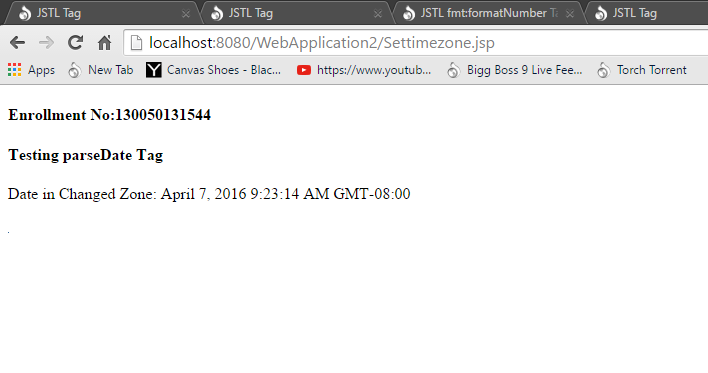
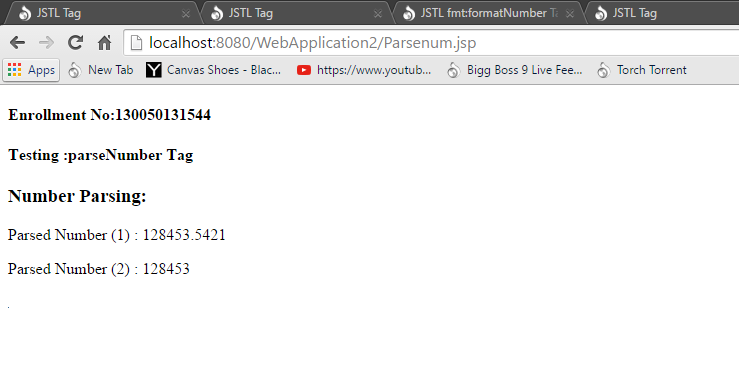
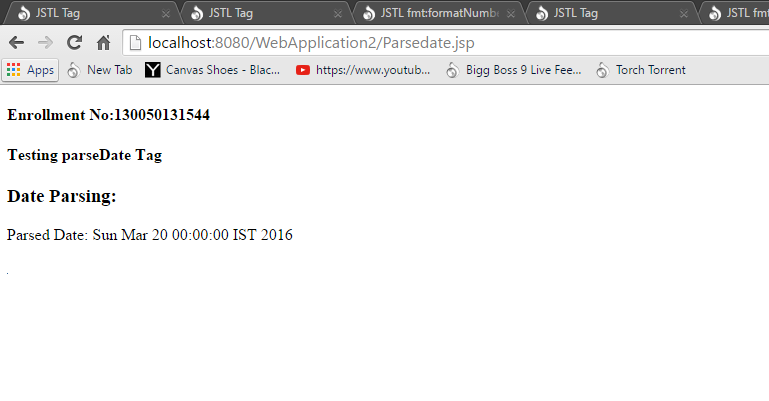
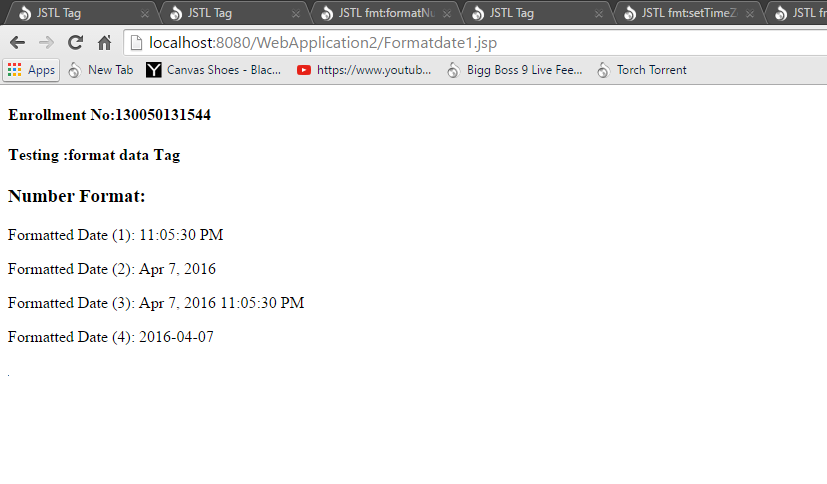
<p>Formatted Date (4): <fmt:formatDate pattern="yyyy-MM-dd"

value="${now}" /></p>

</body>

</html>

**Output:**

****