

JSTL

formatDate

```
<%@ 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>fmt:formatDate</title>
</head>
<body>
<h2>Different Formats of the Date</h2>
<c:set var="Date" value="<%=new
java.util.Date()%>" />
<p>
Formatted Time :
<fmt:formatDate type="time" value="${Date}" />
</p>
<p>
Formatted Date :
<fmt:formatDate type="date" value="${Date}" />
</p>
```

```
<p>
Formatted Date and Time :
<fmt:formatDate type="both" value="${Date}" />
</p>
<p>
Formatted Date and Time in short style :
<fmt:formatDate type="both" dateStyle="short"
timeStyle="short"
value="${Date}" />
</p>
<p>
Formatted Date and Time in medium style :
<fmt:formatDate type="both" dateStyle="medium"
timeStyle="medium"
value="${Date}" />
</p>
<p>
Formatted Date and Time in long style :
<fmt:formatDate type="both" dateStyle="long"
timeStyle="long"
value="${Date}" />
</p>

</body>
</html>
```

Output



Different Formats of the Date

Formatted Time : 02:10:24

Formatted Date : 04-Sep-2016

Formatted Date and Time : 04-Sep-2016 02:10:24

Formatted Date and Time in short style : 04/09/16 02:10

Formatted Date and Time in medium style : 04-Sep-2016 02:10:24

Formatted Date and Time in long style : 04 September 2016 02:10:24 IST



parseNumber

```
<%@ 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>fmt:parseNumber tag</title>
```

```
  </head>
```

```
  <body>
```

```
    <h3>The fmt:parseNumber tag Example is:</h3>
```

```
    <c:set var="Amount" value="786.970" />
```

```
      <fmt:parseNumber var="j" type="number" value="${Amount}" />
```

```
      <p><i>Amount is:</i> <c:out value="${j}" /></p>
```

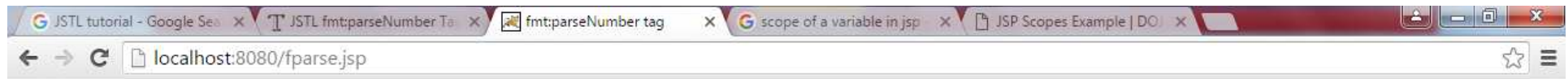
```
      <fmt:parseNumber var="j" integerOnly="true" type="number" value="${Amount}" />
```

```
      <p><i>Amount is:</i> <c:out value="${j}" /></p>
```

```
    </body>
```

```
</html>
```

output



The `fmt:parseNumber` tag Example is:

.Amount is: 786.97

.Amount is: 786



SQL-Example1

```
<html>
```

```
<body>
```

```
<form action="sdb.jsp" method="GET">
```

```
<input type="submit" value="FetchData" />
```

```
</form>
```

```
</body>
```

```
</html>
```

```

<%@ page
import="java.io.*,java.util.*,java.sql.*"%>
<%@ page
import="javax.servlet.http.*,javax.servlet.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core"
prefix="c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql"
prefix="sql"%>

<html>
<head>
<title>sql:query Tag</title>
</head>
<body>

<sql:setDataSource var="db"
driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/TEST"
user="root" password="ssn"/>

<sql:query dataSource="${db}" var="rs">
SELECT * from Students;
</sql:query>

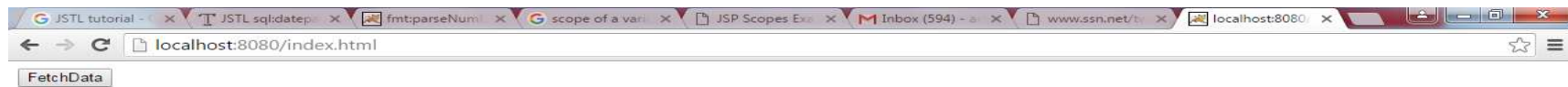
```

```

<table border="2" width="100%">
<tr>
<th>Student ID</th>
<th>First Name</th>
<th>Last Name</th>
<th>Age</th>
</tr>
<c:forEach var="table"
items="${rs.rows}">
<tr>
<td><c:out value="${table.id}"/></td>
<td><c:out
value="${table.FirstName}"/></td>
<td><c:out
value="${table.LastName}"/></td>
<td><c:out value="${table.Age}"/></td>
</tr>
</c:forEach>
</table>

</body>
</html>

```



Student ID	First Name	Last Name	Age
150	Nakul	Jain	22
151	John	Darby	23



SQL-Update

```
<html>  
<body>  
<form action="sdbup.jsp" method="GET">  
<input type="submit" value="UpdateData" />  
</form>  
</body>  
</html>  
</html>
```

```

<%@ page import="java.io.*,java.util.*,java.sql.*"%>
<%@ page
import="javax.servlet.http.*,javax.servlet.*" %>
<%@ page import="java.util.Date,java.text.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core"
prefix="c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql"
prefix="sql"%>

<html>
<head>
<title>sql:dateParam Tag</title>
</head>
<body>

<sql:setDataSource var="db"
driver="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost/TEST"
    user="root" password="ssn"/>

<%
Date DoB = new Date("1995/10/16");
int studentId = 101;
%>

```

```

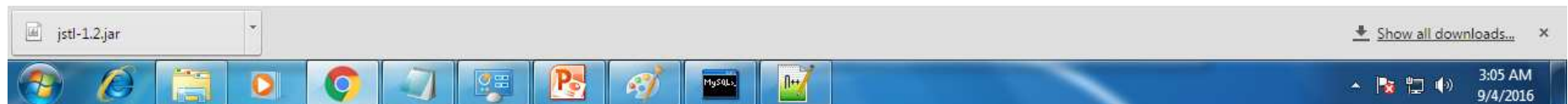
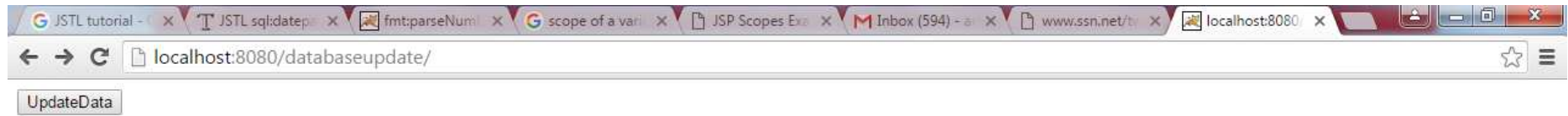
<sql:update dataSource="${db}" var="count">
    UPDATE Student1 SET dob = ? WHERE Id = ?
    <sql:dateParam value="<%=DoB%>" type="DATE" />
    <sql:param value="<%=studentId%>" />
</sql:update>

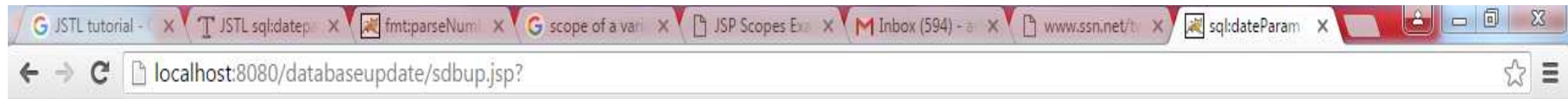
<sql:query dataSource="${db}" var="rs">
    SELECT * from Student1;
</sql:query>

<table border="2" width="100%">
<tr>
    <th>Emp ID</th>
    <th>First Name</th>
    <th>Last Name</th>
    <th>DoB</th>
</tr>
<c:forEach var="table" items="${rs.rows}">
<tr>
    <td><c:out value="${table.id}"/></td>
    <td><c:out value="${table.FirstName}"/></td>
    <td><c:out value="${table.LastName}"/></td>
    <td><c:out value="${table.dob}"/></td>
</tr>
</c:forEach>
</table>

</body>

```





Emp ID	First Name	Last Name	DoB
100	John	Nelson	1994-07-19
101	Jerry	Caleb	1995-10-16
102	Solomon	Cherian	1994-06-15

```
MySQL 5.5 Command Line Client
mysql> insert into Student1(100,'John','Nelson','1994/07/19');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '100,'
John','Nelson','1994/07/19')' at line 1
mysql> insert into Student1 values(100,'John','Nelson','1994/07/19');
Query OK, 1 row affected (0.03 sec)

mysql> insert into Student1 values(101,'Jerry','Caleb','1993/11/23');
Query OK, 1 row affected (0.02 sec)

mysql> insert into Student1 values(102,'Solomon','Cherian','1994/06/15');
Query OK, 1 row affected (0.02 sec)

mysql> select * from student1;
+----+-----+-----+-----+
| id | FirstName | LastName | dob      |
+----+-----+-----+-----+
| 100 | John      | Nelson   | 1994-07-19 |
| 101 | Jerry     | Caleb    | 1993-11-23 |
| 102 | Solomon   | Cherian  | 1994-06-15 |
+----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```



XML tag

```

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

<html>
<head>
  <title>x:choose Tag</title>
</head>
<body>
<h3>Books Information:</h3>

<c:set var="xmltext">
<books>
<book>
  <name>Three mistakes of my life</name>
  <author>Chetan Bhagat</author>
  <price>200</price>
</book>
<book>
  <name>Tomorrow land</name>
  <author>Brad Bird</author>
  <price>2000</price>
</book>
</books>

```

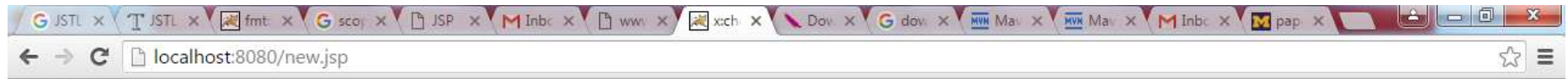
```

</c:set>

<x:parse xml="{xmltext}" var="output"/>
<x:choose>
  <x:when select="$output//book/author =
'Chetan bhagat'">
    Book is written by Chetan bhagat
  </x:when>
  <x:when select="$output//book/author = 'Brad
Bird'">
    Book is written by Brad Bird
  </x:when>
  <x:otherwise>
    The author is unknown...
  </x:otherwise>
</x:choose>

</body>
</html>

```



Books Information:

Book is written by Brad Bird

