

Date:- 01-08-2020 Today we will learn uses of `<sql:dateParam>` tag. P-1  
 This tag is used to set the specified date for sql query parameter. It can be used inside `<sql:update>` and `<sql:query>` tag to provide the date and time value for SQL query parameter. If null value is provided, the value is set at SQL NULL.

Example:-

```

<% Date dob = new Date("2020/08/01");
int rollnumber = 3; %>
<sql:update dataSource="{db}" var="count">
  Update Students, Set date_of_admission = ?, where roll = ?
  <sql:dateParam value="<% = dob %>" type="DATE"/>
  <sql:param value="<% = rollnumber %>" />
</sql:update>
  
```

Note:- Above example is supposed to be the field names of table Students as:-

<u>Roll</u>	<u>Name</u>	<u>Course</u>	<u>Address</u>	<u>Date of admission</u> ← Fields
(Number)	varchar(20)	varchar(10)	varchar(30)	date ← Data types

SQL Statement to create that table will be -

```

Create table Students
(
  Roll number Primary key,
  Name varchar(20),
  Course varchar(10),
  Address varchar(30),
  Date_of_admission date);
  
```

Now, let us consider the complete example on this table :-

```

<%@ 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 lag </title>
</head>

```

```

<sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
uri="jdbc:mysql://localhost/test" user="root" password="rangan" />

```

```

<% Date doa = new Date ("2018/10/16");
int studentroll=3;
%>

```

```

<sql:update dataSource="${db}" var="count">
Update Students set date date_of_admission = ? where Roll = ?
<sql:dateParam value="<%= doa %>" type="DATE"/>

```

```

<sql:param value="<%= studentroll %>" />
</sql:update>

```

```

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

```

```

<table border="2" width="100%">

```

```

<tr>
<th> Roll Number </th>
<th> Name </th>
<th> Course </th>
<th> Address </th>
<th> Date of Admission </th>
</tr>

```

<c:forEach var="table" items="{rs.rows}"> P-3

```
<tr>
  <td><c:out value="{table.roll}" /></td>
  <td><c:out value="{table.name}" /></td>
  <td><c:out value="{table.course}" /></td>
  <td><c:out value="{table.address}" /></td>
  <td><c:out value="{table.date of admission}" /></td>
</tr>
</c:forEach>
</table>
</body>
</html>
```

Output will be in table ordered according to table row and column as called <c:out> tags.

Now, design an employee table as :-

create table emp

( empid number primary key,

fname varchar2(10),

lname varchar2(10),

dob date

);

Insert some data as:-

insert into emp values(150, 'Pradeep', 'Kumar', '1991/07/13');

insert into emp values(151, 'Suman', 'Kumari', '1995/02/09');

insert into emp values(152, 'Mandeep', 'Bhatia', '1990/03/02');

insert into emp values(153, 'Suresh', 'Rajans', '1985/02/12');

insert into emp values(154, 'Vishal', 'Deepak', '1999/05/16');

Now, do the complete example on that table :-

```
<% @ 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:datePattern tag example
</title> </head> <body>
<sql:setDataSource var = "db" driver = "com.mysql.jdbc.Driver"
url = "jdbc:mysql://localhost/test"
user = "root" password = "ranjan" />
<% Date dob = new Date("2001/08/13");
int employeeid = 151;
%> <sql:update dataSource = "${db}" var = "count">
Update Emp set dob = ? where empid = ?
<del>param</del> <sql:dateParam value = "<%= dob %>" type = "Date" />
<sql:param value = "<%= empid %>" />
</sql:update>
<sql:query dataSource = "${db}" var = "rs">
Select * from emp;
</sql:query> <table border = "1" width = "100%">
<tr> <th> empID </th> <th> first Name </th>
<th> Last Name </th> <th> Date of Birth </th> </tr>
<c:forEach var = "table" items = "${rs.rows}">
<tr> <td> <c:out value = "${table.empid}" /> </td>
<td> <c:out value = "${table.fname}" /> </td>
<td> <c:out value = "${table.lname}" /> </td>
<td> <c:out value = "${table.dob}" /> </td> </tr>
</c:forEach> </table> </body> </html>
```

Output will be arranged in tabular form as entered data.