Program No:	3
Roll No :	1525
Title of Program :	**Jstl**
Objective :	**Jstl order**

Source code:

DisplayMovies.jsp

```xml
<?xml version="1.0" encoding="ISO-8859-1" ?>
<%@ 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" %>
    <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
    <%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt" %>


<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Insert title here</title>
</head>
<body>
<sql:setDataSource var ="myDs" driver="org.postgresql.Driver" url =
"jdbc:postgresql://localhost:5432/postgres"  user="postgres" password="password" />
<sql:query var="rs" dataSource="${myDs}"> Select * from movies</sql:query>

<table border="1">
    <thead>
        <tr>
                <th>MID</th>
                <th> TITLE</th>
                <th>DIRECTOR</th>
                <th>DURATION</th>
        </tr>
    </thead>
    <c:forEach   var="row" items="${rs.rows}">
        <tr>
                <td><c:out value="${row.mid}"></c:out> </td>
```

```
                    <td><c:out value="${row.mname}"></c:out> </td>
                    <td><c:out value="${row.pwd}"></c:out> </td>
                    <td><c:out value="${row.director}"></c:out> </td>
                    <td><c:out value="${row.duration}"></c:out> </td>
            </tr>
        </c:forEach>
</table>
</body>
</html>
```

InsertMovies.jsp

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<%@ 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" %>
<%@ taglib prefix = "sql" uri ="http://java.sun.com/jsp/jstl/sql" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Insert a Movie</title>
</head>
<body>
<h1>Insert into Movies Table</h1>
<form action="AddMovies.jsp">
<table>
<tr>
<td>Movie Id: </td><td><input type="text" name="mid"/></td>
</tr>
<tr>
<td>Movie Name: </td><td><input type="text" name="mname"/></td>
</tr>
<tr>
<td>Movie Director: </td><td><input type="text" name="director"/></td>
```

```html
</tr>
<tr>
<td>Movie Duration: </td><td><input type="text" name="duration"/></td>
</tr>
<tr>
<td><input type="submit" name="sub" value="Insert"/></td>
</tr>
</table>
</form>

</body>
</html>
```

Add Movies:

```jsp
<?xml version="1.0" encoding="ISO-8859-1" ?>
<%@ 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" %>
<%@ taglib prefix = "sql" uri ="http://java.sun.com/jsp/jstl/sql" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Results Page</title>
</head>
<body>
<!-- Convert String to Integer-->
<fmt:parseNumber var="intmid" value="${param.mid}"></fmt:parseNumber>
<fmt:parseNumber var="intdur" value="${param.duration}"></fmt:parseNumber>

<!-- Set Data Source -->
<sql:setDataSource var="myDs" driver="org.postgresql.Driver"
url="jdbc:postgresql://localhost:5432/postgres" user="postgres" password="password" />

<!-- Pass the Query -->
<sql:update var="rowCnt" dataSource="${myDs}">
    insert into movies(mid, pwd, director, duration) values (?, ?, ?, ?);
    <sql:param value="${intmid}" />
    <sql:param value="${param.mname}" />
    <sql:param value="${param.director}" />
    <sql:param value="${intdur}" />
```

```
</sql:update>

<!-- Success Message -->
<p>Movie inserted successfully!</p>
<a href ="IndertMovie.jsp">Add Another Movie</a>

</body>
</html>
```

POSTGRES query:

```
CREATE TABLE movies (
    mid INT PRIMARY KEY,        -- Movie ID (assumes it's unique and required)
    pwd VARCHAR(255),           -- Movie Name (assumes max length of 255 characters, can be adjusted)
    director VARCHAR(255),      -- Director Name (assumes max length of 255 characters)
    duration INT                -- Duration in minutes (integer value)
);

INSERT INTO movies (mid, pwd, director, duration)
VALUES
(1, 'Inception', 'Christopher Nolan', 148),
(2, 'The Matrix', 'The Wachowskis', 136),
(3, 'Interstellar', 'Christopher Nolan', 169),
(4, 'Parasite', 'Bong Joon-ho', 132),
(5, 'The Godfather', 'Francis Ford Coppola', 175);
```

OUTPUT:

	mid [PK] integer	pwd character varying (255)	director character varying (255)	duration integer
1	1	Inception	Christopher Nolan	148
2	2	The Matrix	The Wachowskis	136
3	3	Interstellar	Christopher Nolan	169
4	4	Parasite	Bong Joon-ho	132
5	5	The Godfather	Francis Ford Coppola	175

localhost:8080/moviepro/InsertMovies.jsp

anuragkalr0v | Geek...   (235) Spring Boot s...   GenerativeAI/spring...   API keys - OpenAI A...

Insert into Movies Table

Movie Id: 101

Movie Name: avesham

Movie Director: rrpandit

Movie Duration: 2

Insert

← → C (i) localhost:8080/moviepro/AddMovies.jsp?mid=101&mname=avesham&director=rrpandit&duration=2&sub=Insert

anuragkalr0v | Geek... (235) Spring Boot s... GenerativeAI/spring... API keys - OpenAI A... Camu database (243) Spring Boot S... Office 365 Educatio

Movie inserted successfully!

Add Another Movie

mid [PK] integer	pwd character varying (255)	director character varying (255)	duration integer
1	1 Inception	Christopher Nolan	148
2	2 The Matrix	The Wachowskis	136
3	3 Interstellar	Christopher Nolan	169
4	4 Parasite	Bong Joon-ho	132
5	5 The Godfather	Francis Ford Coppola	175
6	101 avesham	rrpandit	2

ᴧᴄ anuragkalr0v | Geek...   ▶ (235) Spring Boot s...   ◯ GenerativeAI/spring...   ⑤ API keys - OpenAI A...   ▲ Cam

MID	Movie Name	Director	Duration
1	Inception	Christopher Nolan	148
2	The Matrix	The Wachowskis	136
3	Interstellar	Christopher Nolan	169
4	Parasite	Bong Joon-ho	132
5	The Godfather	Francis Ford Coppola	175
101	avesham	rrpandit	2