**Practical 5**

**Aim:**

**5.4: Accessing database from JSP**

**Description:**

we take a example of Books database. This database contains a table named books\_details. This table contains three fields- id, book\_name& author. we starts from very beginning. First we create how to create tables in MySQl database after that we write a html page for inserting the values in 'books\_details' table in database. After submitting values a table will be showed that contains the book name and author name.

**Program code:**

**Bookdb.html**

<html>

<head>

<title> **Book Detail Form**</title>

</head>

<body>

<form action=**"Booklist.jsp"** method=**"POST"**>

**Id:**<input type=**"number"** name=**"bookid"**><br>

**Book Name:** <input type=**"text"** name=**"book\_name"**><br>

**Authorname:** <input type=**"text"** name=**"author"**><br>

<button type=**"submit"** value=**"Submit"**>**Submit**</button>

</form>

</body>

</html>

**Booklist.jsp**

<%@ page language="java" contentType="text/html"%>

<%@ page import="java.io.\*" %>

<%@ page import="javax.servlet.ServletException" %>

<%@ page import="java.sql.\*"%>

<!DOCTYPE html>

<html>

<head>

<title>book database</title>

</head>

<body>

<% Connection conn;

PreparedStatement pstmt;

ResultSet resultset;

final String DB\_URL = "jdbc:mysql://localhost:3306/test";

final String USER = "root";

final String PASS = "root";

Class.forName("org.postgresql.Driver");

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

Statement stmt= conn.createStatement();

out.println("Connected database successfully...");

%>

<br>

<%

String id1=request.getParameter("bookid");

String name=request.getParameter("book\_name");

String auth=request.getParameter("author");

int id=Integer.parseInt(id1);

String sql="INSERT INTO bookdb(id, book\_name, author) VALUES(?,?,?)";

pstmt = conn.prepareStatement(sql);

pstmt.setInt(1, id);

pstmt.setString(2, name);

pstmt.setString(3, auth);

pstmt.addBatch();

if(pstmt.executeBatch().length != 0){

out.println("Record has been inserted");

}else {

out.println("sorry! Failure");

}

%>

<br>

<%

out.print("Enroll no: 130050131544");

resultset = stmt.executeQuery("select \* from bookdb");

%>

<br>

<TABLE BORDER="1">

<tr>

<th>ID</th>

<th>Name</th>

<th>Author</th>

</tr>

<% while(resultset.next()){ %>

<tr>

<td> <%= resultset.getInt(1) %></td>

<td> <%= resultset.getString(2) %></td>

<td> <%= resultset.getString(3) %></td>

</tr>

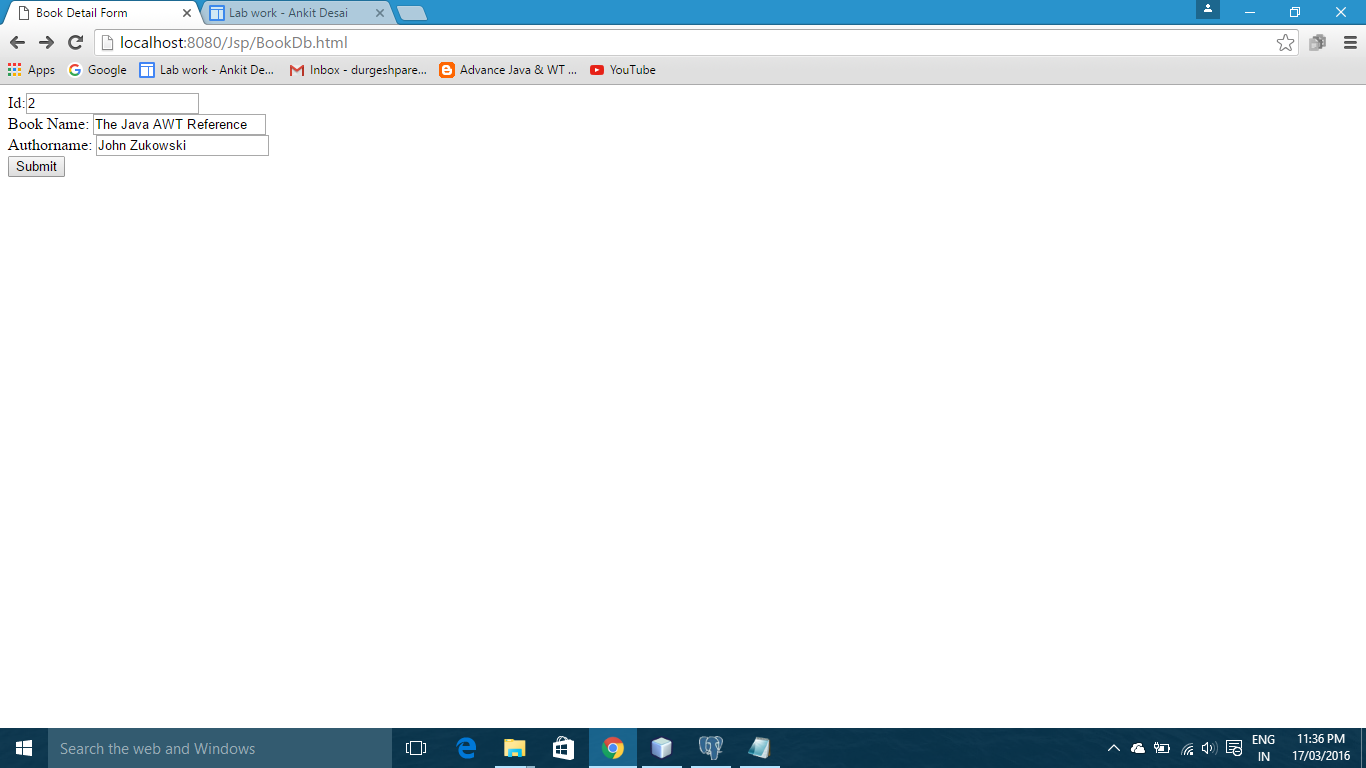
<% } %>

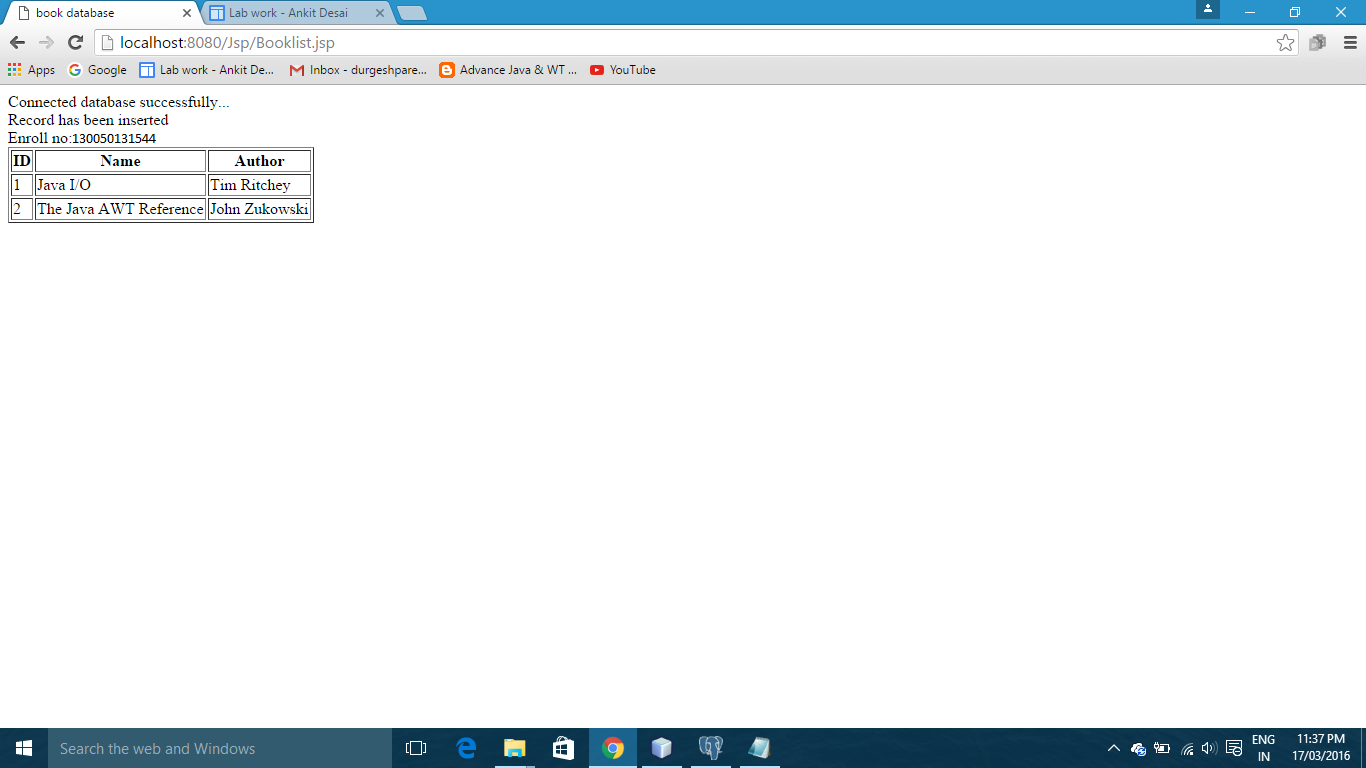
</TABLE>

</body>

</html>

**Output:**

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