Source code

1.Connection code in java class

**package** com.example;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**public** **class** DBConnection {

**static** Connection *con*;

**public** **static** Connection getConnection() {

**try** {

//Step 1: load driver in memory

Class.*forName*("com.mysql.cj.jdbc.Driver");

//Step 2: Connection with database

*con*=DriverManager.*getConnection*("jdbc:mysql://localhost:3306/ProductDetail","root","passw0rd");

}

**catch**(Exception e) {

e.printStackTrace();

}

**return** *con*;

}

}

2.ViewRecord code in java servlet

**package** com.example;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

@WebServlet("/Product")

**public** **class** Product **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** **static** **final** **int** ***ID*** = 0;

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

**try** {

//Call Connection method

Connection con=DBConnection.*getConnection*();

//Write sql command

String query="select \* from Product";

//to execute sql command create Statement Object

Statement stmt=con.createStatement();

//get Result

ResultSet rs=stmt.executeQuery(query);

//display result in html page

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<table border=2>");

out.println("<tr>"

+ "<th>ID</th>"

+ "<th>Name</th>"

+ "<th>Price</th>"

+ "</tr>");

**while**(rs.next()) {

out.println("<tr>");

out.print( "<td>"+rs.getInt("ProductID")+"</td>");

out.print("<td>"+rs.getString("ProductName")+"</td>");

out.print("<td>"+rs.getInt("ProductPrice")+"</td>");

out.println("</tr>");

}

out.println("</table>");

con.close();

}**catch**(Exception e) {

e.printStackTrace();

}

}

}

4.search particular data of code

**package** com.example;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

@WebServlet("/SearchRecord")

**public** **class** SearchRecord **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** **int** ProductID;

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

**try** {

//Read all values from HTML Page

**int** rollno=Integer.*parseInt*(request.getParameter("txtID"));

//Call Connection Method

Connection con=DBConnection.*getConnection*();

//Create query

String query="select \* from student where ProductID=?";

//Create Statement Object

PreparedStatement psmt=con.prepareStatement(query);

psmt.setInt(1, ProductID);

//execute query

ResultSet rs=psmt.executeQuery();

//display result in html page

PrintWriter out=response.getWriter();

out.println("<table border=2>");

out.println("<tr>"

+ "<th>ID</th>"

+ "<th>Name</th>"

+ "<th>Price</th>"

+ "</tr>");

**if**(rs.next()) {

out.println("<tr>");

out.print( "<td>"+rs.getInt("ProductID")+"</td>");

out.print("<td>"+rs.getString("ProductName")+"</td>");

out.print("<td>"+rs.getFloat("ProductPrice")+"</td>");

out.println("</tr>");

out.println("</table>");

}

**else**

out.println("Record not found");

RequestDispatcher rsd=request.getRequestDispatcher("Search.html");

rsd.include(request, response);

con.close();

}**catch**(Exception e) {

e.printStackTrace();}

}

}

5.Index page in index.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<a href="Product">Product</a>

<a href="Search.html">Search Record</a><br>

</body>

</html>

6.Search page in search.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<h1>Product Details</h1>

<form action="SearchRecord">

Enter Rollno<input type="text" name="txtID"><br>

<input type="Submit">

</body>

</html>