**Retrieving the Product Details Using the Product ID**

**Source Code:**

**DB Config.java**

package com.simplilearn.demo;

import java.sql.Connection;

import java.sql.DriverManager;

import java.util.Properties;

public class DBConfig {

public static Connection getConnection(Properties props) {

Connection connection =null;

String driver=props.getProperty("driver");

String url=props.getProperty("url");

String username=props.getProperty("username");

String password=props.getProperty("password");

try {

Class.forName(driver);

connection=DriverManager.getConnection(url, username, password);

}catch(Exception e) {

e.printStackTrace();

}

return connection;

}

}

**RetrieveData**

package com.simplilearn.demo;

import java.io.IOException;

import java.io.InputStream;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.Properties;

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("/retrieve")

public class RetrieveData extends HttpServlet {

@Override

protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// TODO Auto-generated method stub

Properties props= new Properties();

InputStream in=getServletContext().getResourceAsStream("/WEB-INF/application.properties");

props.load(in);

try {

resp.setContentType("text/html");

Connection conn=DBConfig.getConnection(props);

PrintWriter out= resp.getWriter();

String param=req.getParameter("pid");

int id=Integer.parseInt(param);

System.out.println(id);

if(conn!=null) {

PreparedStatement stmt= conn.prepareStatement("select \* from product where id=?");

stmt.setInt(1,id);

ResultSet rs = stmt.executeQuery();

if (rs.next()) {

out.print("<br>"+rs.getInt(1)+","+rs.getString(2)+","+rs.getBigDecimal(3)+","+rs.getTimestamp(4)+"<br>");

}

else {

out.print("Error While fetching the data");

}

}

}catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

@Override

protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// TODO Auto-generated method stub

doGet(req, resp);

}

}

**HTML Files:**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h1>Retrieve data</h1>

<br>

<br>

<form action="retrieve" method="post">

Product id to get the details <input type="text" name="pid" placeholder="Enter Product Id Here"><br><br>

<input type="submit" value="Retrieve data">

</form>

</body>

</html>

**application.properties:**

driver=com.mysql.cj.jdbc.Driver

url=jdbc:mysql://localhost:3306/ecommerce4

username=root

password=Shivavalli@1