WPS ASSIGNMENT-3

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**1602-18-733-052**

QUESTION-1:

Develop an application for a currency converter using JSP’s. The interface should consist of a title, suitable instructions, and a form for entering the amount to be converted and an optional currency rate. Use text fields for entering the amount and rate.

ANSWER:

INDEX.JSP:

<html>

<head>

<meta charset="utf-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">

<title>Question 1</title>

<meta name="description" content="assignment-3">

<link rel="stylesheet" href="lib/c/styles.css">

<meta property="og:site\_name" content="currency-calculator"/>

<script src="//ajax.googleapis.com/ajax/libs/jquery/1.5.1/jquery.js"></script>

<script type="text/javascript">

$(document).ready(function(){$('#swap').click(function(){s1=$('#to').val();s0=$('#from').val();$('#to').val(s0);$('#from').val(s1); });

});

</script>

</head>

<body>

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

<div class="background"></div>

<div id="heading">

<%

String currency = (String)request.getAttribute("currency");

String value = (String)request.getAttribute("value");

String from = (String)request.getAttribute("from");

String to = (String)request.getAttribute("to");

if( currency == null )

{

out.print("Fizaboun live currency converter");

}else{

out.println(""+value);

out.println(""+from);

out.println("equals to "+currency);

out.println(""+to);

}

%>

</div>

<div id="currencyBox">

<form method="POST" action="CurrencyConverter.do">

<div class="data">

<label for="from">Convert:</label>

<input type="text" name="amount" id="amount" value="1" />

</div>

<div class="data">

<label for="fromCurrency">From Currency:</label>

<select name="from" id="from">

<option selected="" value="EUR">Euro - EUR</option>

<option value="USD">United States Dollars - USD</option>

<option value="GBP">United Kingdom Pounds - GBP</option>

<option value="CAD">Canada Dollars - CAD</option>

<option value="AUD">Australia Dollars - AUD</option>

<option value="JPY">Japan Yen - JPY</option>

<option value="INR">India Rupees - INR</option>

<option value="NZD">New Zealand Dollars - NZD</option>

<option value="CHF">Switzerland Francs - CHF</option>

<option value="ZAR">South Africa Rand - ZAR</option>

<option value="DZD">Algeria Dinars - DZD</option>

<option value="USD">America (United States) Dollars - USD</option>

<option value="ARS">Argentina Pesos - ARS</option>

<option value="AUD">Australia Dollars - AUD</option>

<option value="BHD">Bahrain Dinars - BHD</option>

<option value="BRL">Brazil Reais - BRL</option>

<option value="BGN">Bulgaria Leva - BGN</option>

<option value="CAD">Canada Dollars - CAD</option>

<option value="CLP">Chile Pesos - CLP</option>

<option value="CNY">China Yuan Renminbi - CNY</option>

<option value="CNY">RMB (China Yuan Renminbi) - CNY</option>

<option value="COP">Colombia Pesos - COP</option>

<option value="CRC">Costa Rica Colones - CRC</option>

<option value="HRK">Croatia Kuna - HRK</option>

<option value="CZK">Czech Republic Koruny - CZK</option>

<option value="DKK">Denmark Kroner - DKK</option>

<option value="DOP">Dominican Republic Pesos - DOP</option>

<option value="EGP">Egypt Pounds - EGP</option>

<option value="EEK">Estonia Krooni - EEK</option>

<option value="EUR">Euro - EUR</option>

<option value="FJD">Fiji Dollars - FJD</option>

<option value="HKD">Hong Kong Dollars - HKD</option>

<option value="HUF">Hungary Forint - HUF</option>

<option value="ISK">Iceland Kronur - ISK</option>

<option value="INR">India Rupees - INR</option>

<option value="IDR">Indonesia Rupiahs - IDR</option>

<option value="ILS">Israel New Shekels - ILS</option>

<option value="JMD">Jamaica Dollars - JMD</option>

<option value="JPY">Japan Yen - JPY</option>

<option value="JOD">Jordan Dinars - JOD</option>

<option value="KES">Kenya Shillings - KES</option>

<option value="KRW">Korea (South) Won - KRW</option>

<option value="KWD">Kuwait Dinars - KWD</option>

<option value="LBP">Lebanon Pounds - LBP</option>

<option value="MYR">Malaysia Ringgits - MYR</option>

<option value="MUR">Mauritius Rupees - MUR</option>

<option value="MXN">Mexico Pesos - MXN</option>

<option value="MAD">Morocco Dirhams - MAD</option>

<option value="NZD">New Zealand Dollars - NZD</option>

<option value="NOK">Norway Kroner - NOK</option>

<option value="OMR">Oman Rials - OMR</option>

<option value="PKR">Pakistan Rupees - PKR</option>

<option value="PEN">Peru Nuevos Soles - PEN</option>

<option value="PHP">Philippines Pesos - PHP</option>

<option value="PLN">Poland Zlotych - PLN</option>

<option value="QAR">Qatar Riyals - QAR</option>

<option value="RON">Romania New Lei - RON</option>

<option value="RUB">Russia Rubles - RUB</option>

<option value="SAR">Saudi Arabia Riyals - SAR</option>

<option value="SGD">Singapore Dollars - SGD</option>

<option value="SKK">Slovakia Koruny - SKK</option>

<option value="ZAR">South Africa Rand - ZAR</option>

<option value="KRW">South Korea Won - KRW</option>

<option value="LKR">Sri Lanka Rupees - LKR</option>

<option value="SEK">Sweden Kronor - SEK</option>

<option value="CHF">Switzerland Francs - CHF</option>

<option value="TWD">Taiwan New Dollars - TWD</option>

<option value="THB">Thailand Baht - THB</option>

<option value="TTD">Trinidad and Tobago Dollars - TTD</option>

<option value="TND">Tunisia Dinars - TND</option>

<option value="TRY">Turkey Lira - TRY</option>

<option value="AED">United Arab Emirates Dirhams - AED</option>

<option value="GBP">United Kingdom Pounds - GBP</option>

<option value="USD">United States Dollars - USD</option>

<option value="VEB">Venezuela Bolivares - VEB</option>

<option value="VND">Vietnam Dong - VND</option>

<option value="ZMK">Zambia Kwacha - ZMK</option>

</select>

</div>

<div class="data">

<label for="to">To Currency:</label>

<select name="to" id="to">

<option value="USD">United States Dollars - USD</option>

<option value="GBP">United Kingdom Pounds - GBP</option>

<option value="CAD">Canada Dollars - CAD</option>

<option value="AUD">Australia Dollars - AUD</option>

<option value="JPY">Japan Yen - JPY</option>

<option value="INR">India Rupees - INR</option>

<option value="NZD">New Zealand Dollars - NZD</option>

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<option value="HUF">Hungary Forint - HUF</option>

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<option value="KRW">Korea (South) Won - KRW</option>

<option value="KWD">Kuwait Dinars - KWD</option>

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<option value="MAD">Morocco Dirhams - MAD</option>

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<option value="VEB">Venezuela Bolivares - VEB</option>

<option value="VND">Vietnam Dong - VND</option>

<option value="ZMK">Zambia Kwacha - ZMK</option>

</select>

</div>

<div class="data">

<input type="submit" name="submit" id="submit" value="Convert the input">

<input type="button" name="swap" id="swap" value="Swap values">

</div>

</form>

<form method="GET" action="CodeGrabber.zip"><input type="submit" value="Grab the code!"></form>

<form method="GET" action="ReportGrabber.do"><input type="submit" value="On line report!"></form>

</div>

</body>

</html>

QUESTION-3:

Create a web service client to consume a rest based service hosted at https://reqres.in/api/unknown to read the users data.

ANSWER:

<html>

<head>

<title>Question 3</title>

<meta name="viewport" width="device-width" initial-scale="1" />

<script src="https://unpkg.com/axios/dist/axios.min.js"></script>

<script src="https://code.jquery.com/jquery-3.1.1.min.js" integrity="sha256-hVVnYaiADRTO2PzUGmuLJr8BLUSjGIZsDYGmIJLv2b8=" crossorigin="anonymous"></script>

<style>

table, th, td {

border: 1px solid black;

text-align: center;

background-color: rgb(245, 245, 153);

}

</style>

</head>

<body>

<script>

axios.get('https://reqres.in/api/products/3')

.then(response => {

console.log("This is here")

let d = response.data.data;

let s = response.data.support;

var output='';

output +=`

<table style="width:100%">

<tr>

<th>Id</th>

<th>Name</th>

<th>Year</th>

<th>Color</th>

<th>Pantone-Value</th>

</tr>

<tr>

<td>${d.id}</td>

<td>${d.name}</td>

<td>${d.year}</td>

<td>${d.color}</td>

<td>${d.pantone\_value}</td>

</tr>

</table>

`;

$('#userdata').html(output);

var output1='';

output1 +=`

<table style="width:100%">

<tr>

<th>Url</th>

<th>Text</th>

</tr>

<tr>

<td>${s.url}</td>

<td>${s.text}</td>

</tr>

</table>

`;

$('#support').html(output1);

})

.catch(error => {

console.log(error);

})

</script>

<h1> User Data</h1>

<div id="userdata">

</div>

<h2>Support</h2>

<div id="support">

</div>

</body>

</html>