

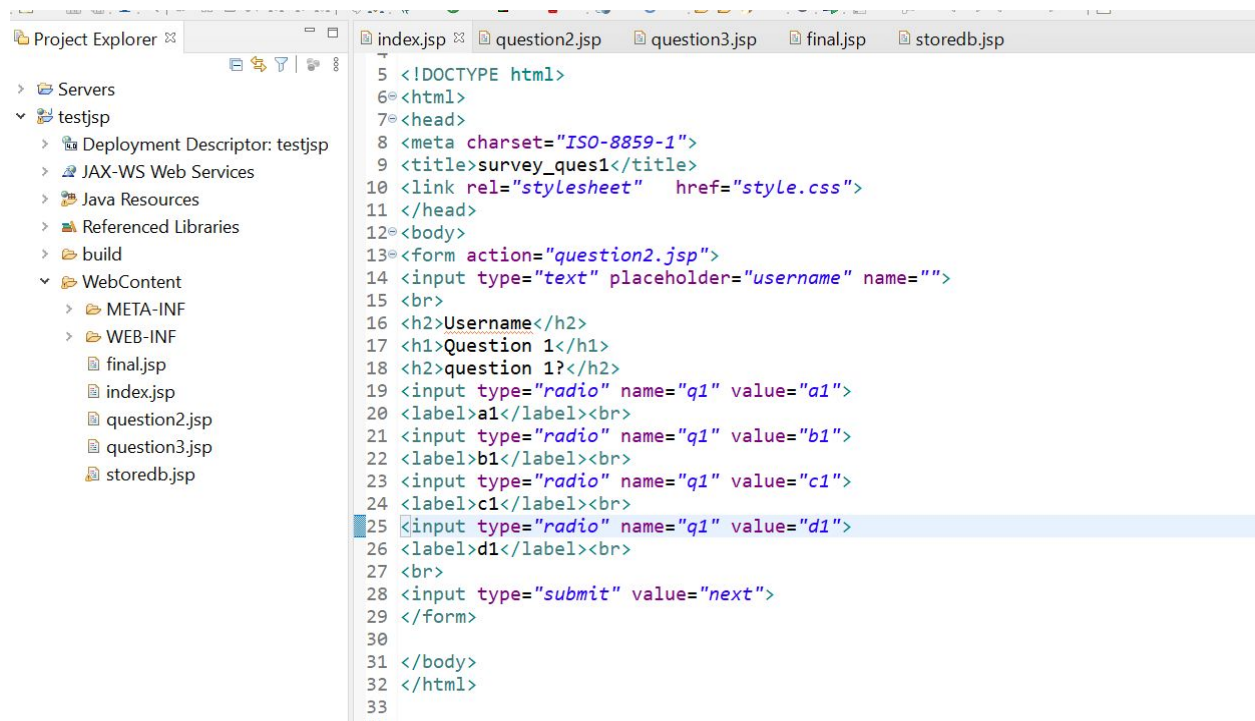
# WPS ASSIGNMENT - 3

**A.Niteesh Reddy**

**1602-18-733-029**

1. Create a dynamic web application using JSP's to do carry on a survey on the students of a college. The survey must consist of 4 pages with 3 questions in each page. You must allow the user to move back and forth among these pages. Once he Submit the survey in the third page, a summary sheet with Questions and Answers of the survey must be displayed to the user along with OK and Cancel Buttons. If user presses OK save data in database. Some of the questions must accept radio buttons, checkboxes.

## **File Structure:**



The screenshot shows an IDE with a Project Explorer on the left and a code editor on the right. The Project Explorer shows a web application structure with folders like META-INF, WEB-INF, and files like final.jsp, index.jsp, question2.jsp, question3.jsp, and storedb.jsp. The code editor displays the content of index.jsp, which is an HTML form for a survey. The form includes a text input for a username, a heading for 'Question 1', and four radio button options labeled a1, b1, c1, and d1. A 'next' submit button is at the bottom of the form.

```
5 <!DOCTYPE html>
6 <html>
7 <head>
8 <meta charset="ISO-8859-1">
9 <title>survey_ques1</title>
10 <link rel="stylesheet" href="style.css">
11 </head>
12 <body>
13 <form action="question2.jsp">
14 <input type="text" placeholder="username" name="">
15 <br>
16 <h2>Username</h2>
17 <h1>Question 1</h1>
18 <h2>question 1?</h2>
19 <input type="radio" name="q1" value="a1">
20 <label>a1</label><br>
21 <input type="radio" name="q1" value="b1">
22 <label>b1</label><br>
23 <input type="radio" name="q1" value="c1">
24 <label>c1</label><br>
25 <input type="radio" name="q1" value="d1">
26 <label>d1</label><br>
27 <br>
28 <input type="submit" value="next">
29 </form>
30
31 </body>
32 </html>
33
--
```

## **index.jsp**

`<%@ page language="java" contentType="text/html; charset=ISO-8859-1"`

```
    pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>survey_ques1</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<form action="question2.jsp">
<input type="text" placeholder="username" name="">
<br>
<h2>Username</h2>
<h1>Question 1</h1>
<h2>question 1?</h2>
<input type="radio" name="q1" value="a1">
<label>a1</label><br>
<input type="radio" name="q1" value="b1">
<label>b1</label><br>
<input type="radio" name="q1" value="c1">
<label>c1</label><br>
<input type="radio" name="q1" value="d1">
<label>d1</label><br>
<br>
<input type="submit" value="next">
</form>

</body>
</html>
```

## **question2.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>survey_ques2</title>
</head>
```

```
<body>
<%
String q1=request.getParameter("q1");

session.setAttribute("q1",q1);
String username=request.getParameter("username");
session.setAttribute("name",username);
```

```
%>
<form action="question3.jsp">
<h1>Question 2</h1>
<h2>Question 2?</h2>
<input type="radio" name="q2" value="a2">
<label>a2</label><br>
<input type="radio" name="q2" value="b2">
<label>b2</label><br>
<input type="radio" name="q2" value="c2">
<label>c2</label><br>
<input type="radio" name="q2" value="d2">
<label>d2</label><br>
<br>
<input type="submit" value="next">
</form>
<a href="index.jsp"><button>back</button></a>
```

```
</body>
</html>
```

### **question3.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>survey_ques3</title>
</head>
<body>
```

```

<%
String q2=request.getParameter("q2");

session.setAttribute("q2",q2);

%>
<form action="final.jsp">
<h1>Question 3</h1>
<h2>Question 3?</h2>
<input type="radio" name="q3" value="a3">
<label>a3</label><br>
<input type="radio" name="q3" value="b3">
<label>b3</label><br>
<input type="radio" name="q3" value="c3">
<label>c3</label><br>
<input type="radio" name="q3" value="d3">
<label>d3</label><br>
<br>
<input type="submit" value="next">
</form>
<a href="question2.jsp"><button>back</button></a>

</body>
</html>

```

## **final.jsp**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import ="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>survey_final</title>
</head>
<body>
<%
String q=request.getParameter("q3");

```

```
session.setAttribute("q3",q);
```

```
%>
```

```
<h2>question 1?</h2>
```

```
<h3>Answer - a1</h3>
```

```
<h2>question 2?</h2>
```

```
<h3>Answer - b2</h3>
```

```
<h2>question 3?</h2>
```

```
<h3>Answer - d3</h3>
```

```
<%
```

```
int i=0;
```

```
String q1=(String)session.getAttribute("q1");
```

```
out.println("question 1 selected option "+q1);
```

```
if(q1.equals("a1"))
```

```
{
```

```
    out.println("question 1 correct ");
```

```
    i=i+1;
```

```
}
```

```
else
```

```
{
```

```
    out.println("question 1 wrong ");
```

```
}
```

```
%>
```

```
<br>
```

```
<%
```

```
String q2=(String)session.getAttribute("q2");
```

```
out.println("question 2 selected option "+q2);
```

```
if(q2.equals("b2"))
```

```
{
```

```
    out.println("question 2 correct ");
```

```
    i=i+1;
```

```
}
```

```
else
```

```
{
```

```
    out.println("question 2 wrong ");
```

```
}
```

```
%>
```

```
<br>
```

```
<%
```

```
String q3=(String)session.getAttribute("q3");
```

```

out.println("question 3 selected option "+q3);
if(q.equals("d3"))
{
    out.println("question 3 correct ");
    i=i+1;
}
else
{
    out.println("question 3 wrong ");
}

out.println("Score = "+i+"/"+3");

%>
<br>
<a href="storedb.jsp"><button>OK</button></a>
<a href="index.jsp"><button>Cancel</button></a>

</body>
</html>

```

### **storedb.jsp**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
    <%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Thank you</title>
</head>
<body>
<sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
    url="jdbc:mysql://localhost/test"
    user="root" password=""/>
<%
String q1=(String)session.getAttribute("q1");
String q2=(String)session.getAttribute("q2");
String q3=(String)session.getAttribute("q3");
String name=(String)session.getAttribute("name");

%>

```

```
<sql:update dataSource="${db}" var="count">
INSERT INTO wpsa3q1 VALUES ('${name}','${q1}','${q2}','${q3}');
</sql:update>
```

```
<sql:query dataSource="${db}" var="rs">
SELECT * from wpsa3q1;
</sql:query>
<table border="2" width="100%">
<tr>
<th>S.no</th>
<th>q1</th>
<th>q2</th>
<th>q3</th>
</tr>
<c:forEach var="table" items="${rs.rows}">
<tr>
<td><c:out value="${table.name}"/></td>
<td><c:out value="${table.q1}"/></td>
<td><c:out value="${table.q2}"/></td>
<td><c:out value="${table.q3}"/></td>
</tr>
</c:forEach>
</table>
```

```
<h1 style="text-align:centre"><c:out value="${'Thanks for taking survey'}"/> </h1>
<a href="index.jsp"><button>Submit another entry</button></a>
</body>
</html>
```

## **Data Base**

phpMyAdmin

Server: 127.0.0.1 » Database: test » Table: wpsa3q1

Browse Structure SQL Search Insert Export Import Privileges Operations More

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	Name	varchar(100)	latin1_swedish_ci	No	None			Change Drop More
<input type="checkbox"/>	2	q1	varchar(200)	latin1_swedish_ci	No	None			Change Drop More
<input type="checkbox"/>	3	q2	varchar(200)	latin1_swedish_ci	No	None			Change Drop More
<input type="checkbox"/>	4	q3	varchar(200)	latin1_swedish_ci	No	None			Change Drop More

☐ Check all
 With selected: Browse Change Drop Primary Unique Index Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after q3 Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<input type="checkbox"/> Edit <input type="checkbox"/> Drop	PRIMARY	BTREE	Yes	No	Name	5	A	No	

Create an index on 1 columns Go

## Output

http://localhost:8080/testjsp/

hrithik

Username

Question 1

question 1?

☒ a1  
☐ b1  
☐ c1  
☐ d1

next



index.jsp question2.jsp question3.jsp final.jsp storedb.jsp survey\_quest...

http://localhost:8080/testjsp/question2.jsp?hrithik&q1=a1

## Question 2

Question 2?

☐ a2

☒ b2

☐ c2

☐ d2

next

back

index.jsp question2.jsp question3.jsp final.jsp storedb.jsp survey\_quest...

http://localhost:8080/testjsp/question3.jsp?q2=b2

## Question 3

Question 3?

☐ a3

☐ b3

☐ c3

☒ d3

next

back

http://localhost:8080/testjsp/final.jsp?q3=d3

**question 1?**

**Answer - a1**

**question 2?**

**Answer - b2**

**question 3?**

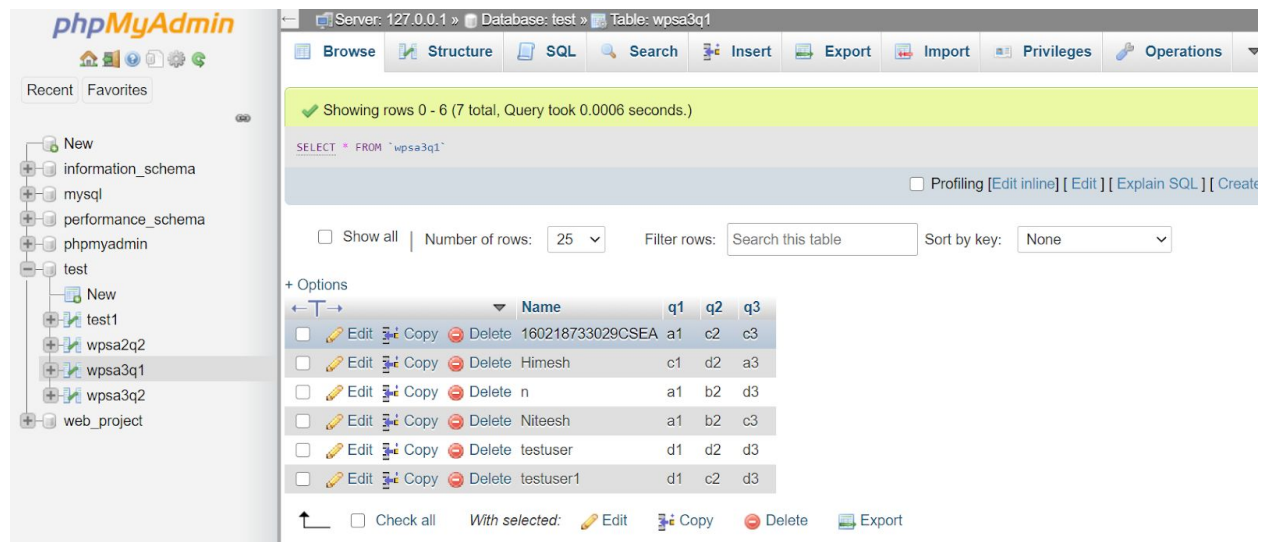
**Answer - d3**

question 1 selected option a1 question 1 correct  
question 2 selected option b2 question 2 correct  
question 3 selected option d3 question 3 correct Score = 3/3

http://localhost:8080/testjsp/storedb.jsp

S.no	q1	q2	q3
160218733029CSEA	a1	c2	c3
Himesh	c1	d2	a3
hrithik	a1	b2	d3
n	a1	b2	d3
Niteesh	a1	b2	c3
testuser	d1	d2	d3
testuser1	d1	c2	d3

**Thanks for taking survey**



**2. Write a PHP script that obtains a URL and its description from a user and stores the information into a database using MySQL. Create and run a SQL script with a database named URL and a table named Urtable. The first field of the table should contain an actual URL, and the second, which is named Description, should contain a description of the URL.**

## index.php

```
<!DOCTYPE html>
<html>

<head>
    <title>Test page</title>
    <meta name="viewport" width="device-width" initial-scale="1" />
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></s
cript>
</head>

<body>

<h1>
Enter url
</h1>
<input type="text" placeholder="url" id="url">
```

```
<h1>
Description
</h1>
<input type="text" placeholder="description" id="desc">
<br>

<button style="margin-top:30px" onclick="adddb()">Submit</button>

<script>

function adddb()
{

    var a = document.getElementById("url").value;
    var b = document.getElementById("desc").value;
    console.log(a,b);

    $.ajax({
        url: "adddb.php",
        type: "POST",
        data: {
            url1: a,
            desc1: b,
        },
        success: function (data) {
            console.log('data: ' + data);
        },

        error: function(error) {
            console.log('Error: ' + error);
        }
    });

}
</script>

</body>
</html>
```

## addbd.php

```
<?php
    include 'db.php';
    $a=$_POST['url1'];
    $b=$_POST['desc1'];

    $sql = "insert into wpsa3q2 VALUES ('$a','$b')";
    $query=mysqli_query($con,$sql);
    if($query)
    {
        echo "successful";
    }
    else
    {
        echo "Failed";
    }
?>
```

## db.php

```
<?php

    $server="localhost";

    $user="root";

    $password="";

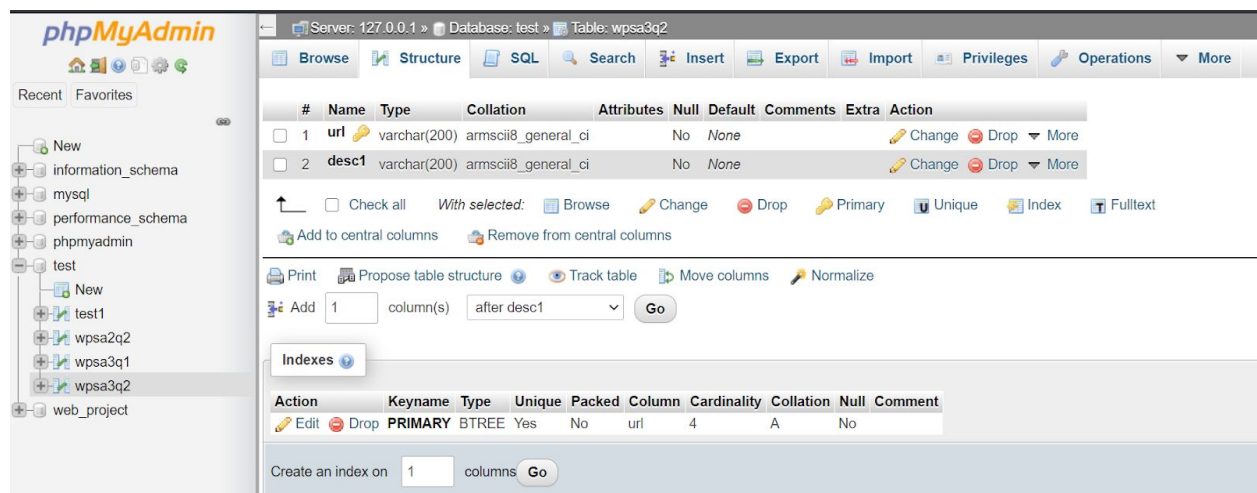
    $db="test";

    $con=mysqli_connect($server,$user,$password,$db);
```

```
if($con)
{
    echo "successful dbcon";
}else{
    echo "Failed dbcon";
}

?>
```

## Database

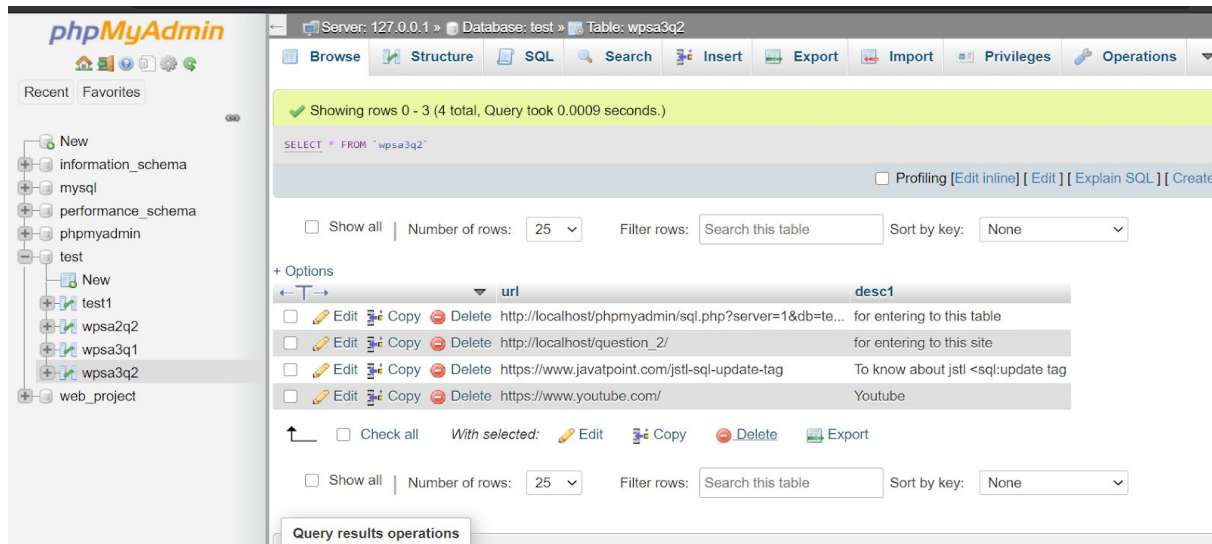


## Output



### Enter url

### Description



3. Create a web service client to consume a rest based service hosted at <https://reqres.in/api/products/3> to read the users data.

## index.html

```
<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>
```

## **Output**

## User Data

Id	Name	Year	Color	Pantone-Value
3	true red	2002	#BF1932	19-1664

## Support

Url	Text
https://reqres.in/#support-heading	To keep ReqRes free, contributions towards server costs are appreciated!