WPS ASSIGNMENT-3

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1)Write a JSP program to retrieve name, image of the person, date of birth based on the empid using useBean tag.

Source Code:

Files in Web Content:

index.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
       pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
<link rel="stylesheet"
       href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2" crossorigin="anonymous">
</head>

<body>
       <br>
       <br>

       <div class="container">
             <form action="./show.jsp" method="post">
                    <div class="form-group">
                          <label for="id">Employee ID</label> <input type="number"
name="id"
                                 class="form-control" id="id" required>
                    </div>
                    <button type="submit" class="btn btn-primary">Get Employee
                          Data</button>
```

```html
        </form>
    </div>

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"

integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCX
aRkfj"
            crossorigin="anonymous"></script>
    <script
            src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7Ze
ZDyx" crossorigin="anonymous"></script>

</body>
</html>
```

show.jsp

```jsp
<%@ page import="java.util.*"%>
<jsp:useBean id="showDataBean" class="beans.ShowDataBean"
        scope="request" />

<link rel="stylesheet"
        href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2"crossorigin="anonymous">

<%
        String eid = request.getParameter("id");
        showDataBean.setEid(Integer.parseInt(eid));
%>

<table cellspacing="0" cellpadding="0">

        <%
                List<Object> list = new ArrayList<Object>();
                list = showDataBean.getDb_Data();
                if(Integer.parseInt(eid) > list.size()){
                        %>
        <div class="alert alert-danger">Employee details with the given
                ID is not found!!</div>
        <%
                }
```

```jsp
			for (int i = 0; i < list.size(); i++) {
				showDataBean.setObj(list.get(i));
%>

	<tr>
		<td>EmpId: </td>
		<td>

			<%
					out.print(showDataBean.getid());
			%>

		</td>
	</tr>

	<tr>
		<td>Name: </td>
		<td>

			<%
					out.print(showDataBean.getname());
			%>

		</td>
	</tr>

	<tr>
		<td>Date of Birth: </td>
		<td>

			<%
					out.print(showDataBean.getdob());
			%>

		</td>
	</tr>

	<tr>
		<td>Image: </td>
		<td>

			<img src="<%=showDataBean.getimage()%>" width="100"
			height="100" />
```

```
            </td>
        </tr>
        <%
                }
        %>

</table>
```

Files in Java Resources:

ShowDataBean.java

```java
package beans;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

import java.io.PrintWriter;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class ShowDataBean
{

        String error;

        List<Object> allData=new ArrayList<Object>();

        public int eid, count;
        public String id,name,image,dob;

        Object obj=new Object();


        public void setObj(Object obj) {
                this.obj = obj;
        }

        public String getError() {
```

```java
                return error;
        }

        public void setEid(int eid) {
                this.eid=eid;
        }

        public int getCount(){
                return count;
        }

        public List getDb_Data()
        {
                int i=0;

                try
                {
                        String qry;

                        Class.forName("com.mysql.jdbc.Driver");
                        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/emp","root","");

                        Statement s = con.createStatement();

                        ResultSet rs = s.executeQuery("select count(*) from employees");
                        rs.next();

                        count = rs.getInt("count(*)");

                        if(eid>count) {
                                System.out.println("No employee found with that Id!!!");
                        }

                        else {
                                qry="Select * from employees where empid='" + eid + "'";

                                ResultSet r=s.executeQuery(qry);

                                while(r.next())
                                {
                                        DataFields d=new DataFields(r.getString(1), r.getString(2),
r.getString(3), r.getString(4));
                                        allData.add(i,d);
```

```java
                                        i++;
                        }
                }
        }

        catch(Exception ex)
        {
                error="<b>Contact Administrator :</b><br/>" + ex;
                System.out.println("Your query is not working" + ex);
        }

        return allData;
}

public String getid()
{

        this.id=((DataFields)obj).id;
        return this.id;

}

public String getname()
{

        this.name=((DataFields)obj).name;
        return this.name;

}

public String getdob()
{

        this.dob=((DataFields)obj).dob;
        return this.dob;

}

public String getimage()
{

        this.image=((DataFields)obj).image;
        return this.image;
```

```
        }


public class DataFields
{
        public String id,name,image,dob;

        public DataFields(String  id, String  name,String  dob,String  image)
        {
                this.id=id;
                this.name=name;
                this.dob=dob;
                this.image=image;
        }

        }

}
```
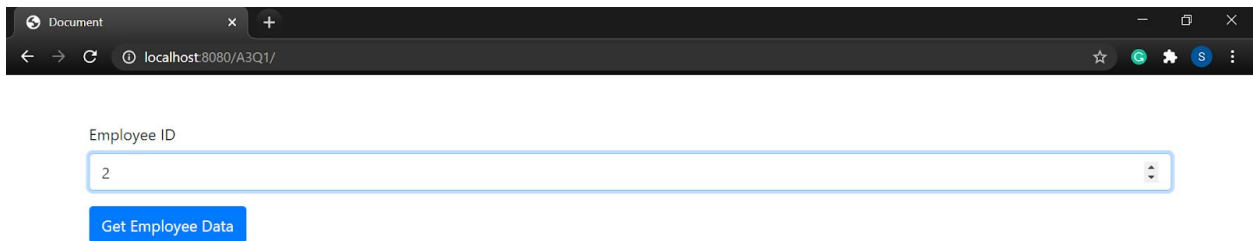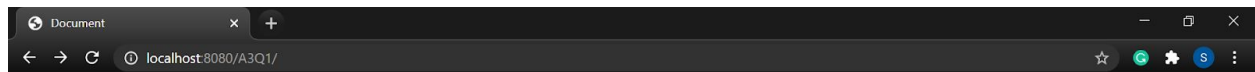
Outputs:

WebPages:

Employee Details with empid=2

localhost:8080/A3Q1/show.jsp   ×   +

localhost:8080/A3Q1/show.jsp

EmpId: 2
Name: Mary
Date of Birth: 1989-09-14

Image:

Document   ×   +

localhost:8080/A3Q1/
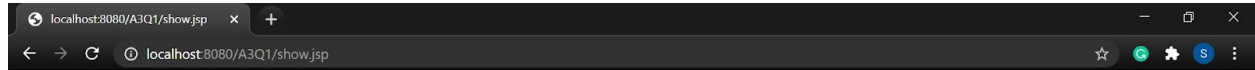
Employee ID

3

Get Employee Data

Employee Details with empid=3

EmpId: 3
Name: Danny
Date of Birth: 1981-01-07

Image:
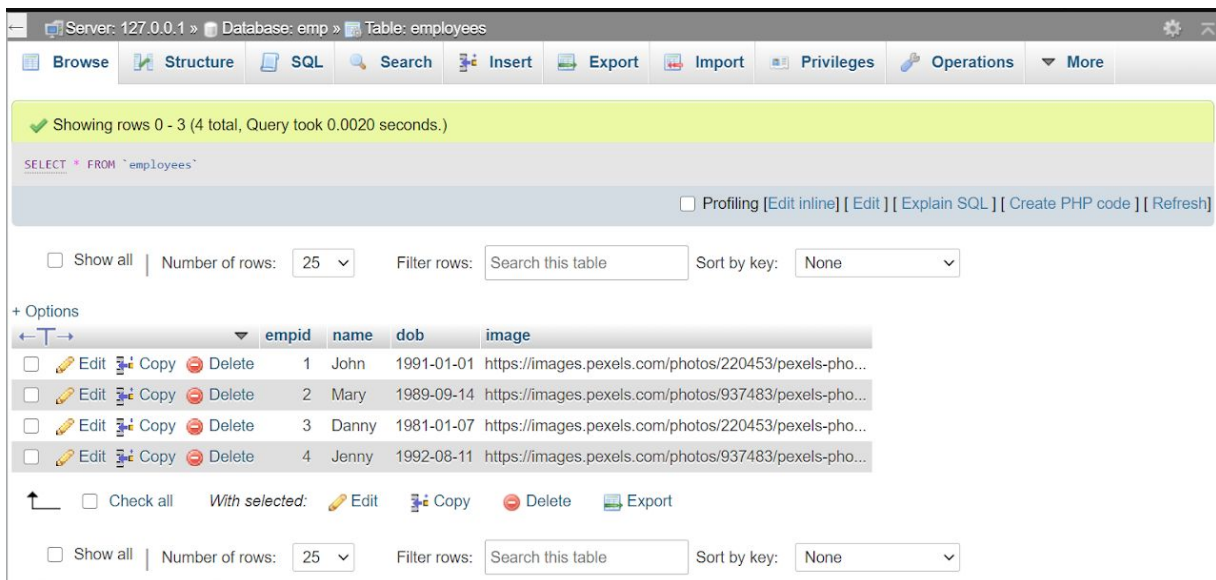

Employee ID

8

Get Employee Data

Employee Details with empid=8

DataBase:

2) Create a web application with PHP, the main page (editing) must provide input options for entering the title and contents of a new blog post, a "preview" button and a list of existing posts. Pressing the preview button brings up a page showing the new post, with date. This page has a radio or checkbox input indicating whether to accept the post and a "Continue" button. Pressing the continue button returns to the entry page. If the previewed post was accepted, the post now appears in the list of posts. The posts must be saved in the database.

Source Code:

index.html

```html
<!DOCTYPE html>

<head>

   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Blogs Portal</title>
   <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2" crossorigin="anonymous">

</head>

<body>

   <div>
     <ul class="nav nav-tabs bg-light justify-content-center">

       <li class="nav-item">
         <a class="nav-link text-success" href="index.html">Create Posts</a>
       </li>

       <li class="nav-item ">
         <a class="nav-link" href="blog_view.php">View Posts</a>
       </li>

     </ul>
   </div>
```

```html
<div class="jumbotron bg-light text-dark text-center">
    <h2 class="display-4">Edit Post</h2>
    <p class="lead">You can create your posts here!</p>
</div>

<form action="preview.php" method="POST" id="form" class="container">

    <div class="form-group">
        <label for="posttitle">Post Title:</label>
        <input type="text" class="form-control" id="posttitle" name="posttitle" />
    </div>

    <div class="form-group">
        <label for="content">Content:</label>
        <textarea id="content" class="form-control" name="content"></textarea>
    </div>

    <div class="form-group">
        <label for="authorname">Author Name:</label>
        <input type="text" class="form-control" id="authorname" name="authorname" />
    </div>

    <button type="submit" class="btn btn-primary mt-4">Preview</button>

</form>

</body>

</html>
```

preview.php

```php
<?php

    session_start();

    $_SESSION['posttitle']=$_POST['posttitle'];
    $_SESSION['content']=$_POST['content'];
    $_SESSION['authorname']=$_POST['authorname'];

?>


<!DOCTYPE html>
```

```html
<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Blogs Portal</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2" crossorigin="anonymous">

</head>

<body>

    <div class="jumbotron bg-light text-dark text-center">
        <h2 class="display-4">Preview Post</h2>
        <p class="lead">You can preview your posts here!</p>
    </div>

    <button class="btn btn-dark"><a href="./index.html" style="text-decoration: none; color:
white;">Back</a></button>

    <div class="container">
        <h3 class="text-center"></h3>
        <span>Post Title: </span> <?php echo $_SESSION['posttitle']; ?> <br>
        <span>Content: </span> <?php echo $_SESSION['content']; ?> <br>
        <span>Author Name: </span> <?php echo $_SESSION['authorname']; ?> <br>

        <div>
            <label for="accept">I accept to post this:</label>
            <input type="checkbox" id="accept" value="1" />
        </div>

        <button class="btn btn-success" disabled><a href="./insert.php" style="text-decoration:
none; color: white;">Accept &amp; Continue</a></button>

    </div>

    <script>

        $('#accept').click(function()
        {
```

```
            if($(this).is(':checked'))
            {
                $('.btn').attr("disabled", false);
            } else
            {
                $('.btn').attr("disabled", true);
            }
        });

    </script>

</body>

</html>
```

insert.php

```php
<!DOCTYPE html>

        <head>

                <title>Blogs Portal</title>
                <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2" crossorigin="anonymous">

        </head>

        <body class="container">

                <?php

                        session_start();

                        $con=mysqli_connect("localhost","root","","blog");

                        $posttitle = $_SESSION['posttitle'];
                        $content = $_SESSION['content'];
                        $authorname = $_SESSION['authorname'];

                        if (mysqli_connect_errno())
                        {
                        echo "Failed to connect to MySQL: " . mysqli_connect_error();
```

```php
                        }


$sql="INSERT into blog_posts (post_title,content,author_name,post_date)
values('".$posttitle."','".$content."','".$authorname."',now())";

                        if (!mysqli_query($con,$sql))
                        {
                                die('Error: ' . mysqli_error($con));
                        }

                        echo "<div class=\"alert alert-success mt-4\" role=\"alert\"> Post
successfully added into the blog!! Click here to view all other posts <a
href=\"blog_view.php\">View Posts</a> </div>";

                        mysqli_close($con);
                ?>

        </body>

</html>
```

blog_view.php

```html
<!DOCTYPE html>

<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Blogs Portal</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr
2" crossorigin="anonymous">

</head>

<body>

  <div>
    <ul class="nav nav-tabs bg-light justify-content-center">

      <li class="nav-item">
```

```html
                <a class="nav-link" href="index.html">Create Posts</a>
            </li>


        <li class="nav-item ">
                <a class="nav-link text-success" href="blog_view.php">View Posts</a>
            </li>

    </ul>
  </div>

  <div class="jumbotron bg-light text-dark text-center">
        <h2 class="display-4">All Posts</h2>
        <p class="lead">You can view everyone's posts here!</p>
    </div>

  <div class="container">
   <?php

     $con=mysqli_connect("localhost","root","","blog");

     if (!$con)
     {
       die('Not connected : ' . mysql_error());
     }

     $sql="SELECT * FROM blog_posts";
     $result=mysqli_query($con,$sql);

     $rowcount=mysqli_num_rows($result);

     while ($rowcount>0)
     {
       $row = mysqli_fetch_array($result, MYSQLI_ASSOC);
     ?>

     <div class="border border-dark p-4">

       <p><strong><?php echo $row['post_title'];?></strong></p>
       <p style="margin-top:-20px;"><small> by <?php echo $row['author_name'];?> on <?php
echo $row['post_date'];?></small></p>
       <p><?php echo $row['content']; ?></p>

     </div>
```
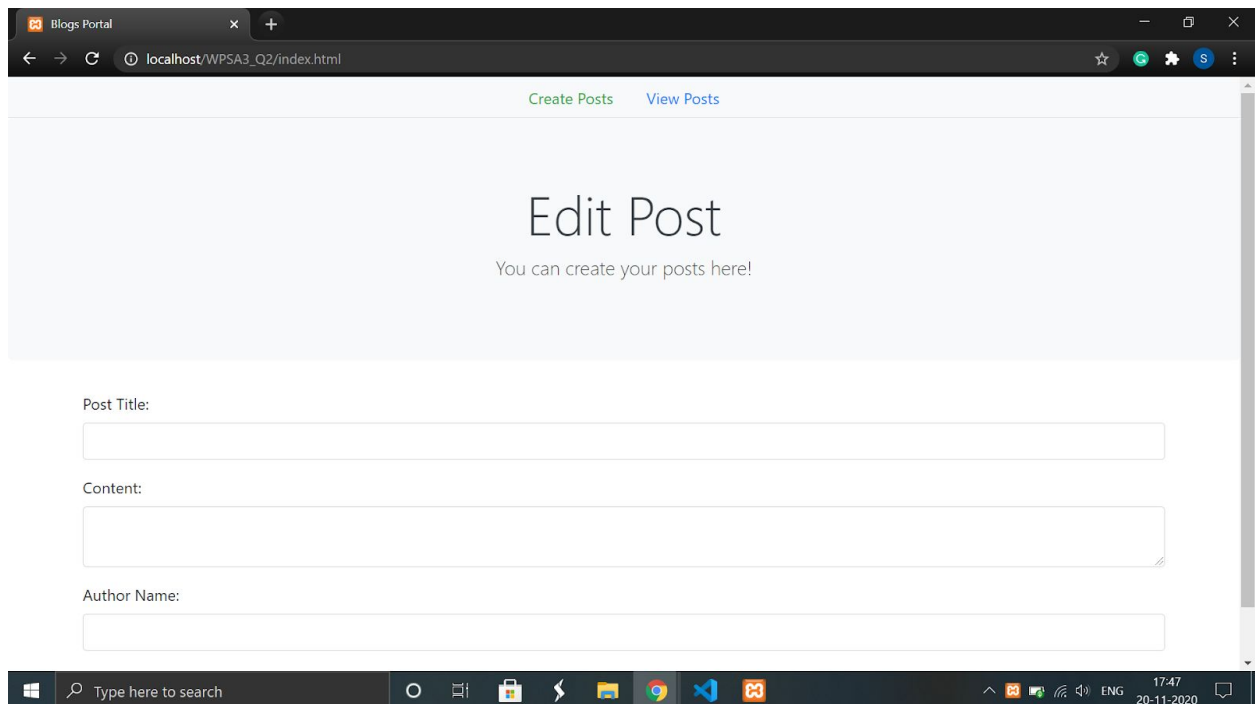
```php
<?php
$rowcount-=1;
}

?>
```

```html
</div>

</body>

</html>
```

Outputs:

Web Pages:

Opening Page

Create Post Page

Preview Post Page

Preview Post

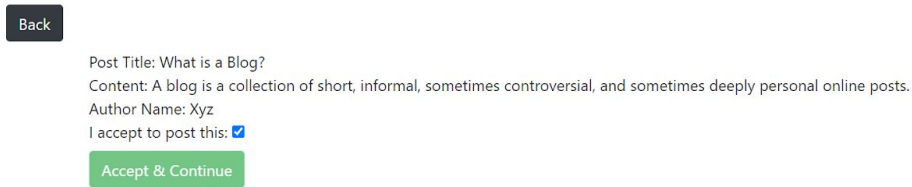You can preview your posts here!

Back

Post Title: What is a Blog?
Content: A blog is a collection of short, informal, sometimes controversial, and sometimes deeply personal online posts.
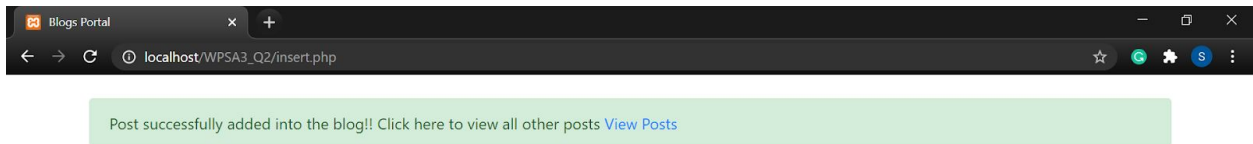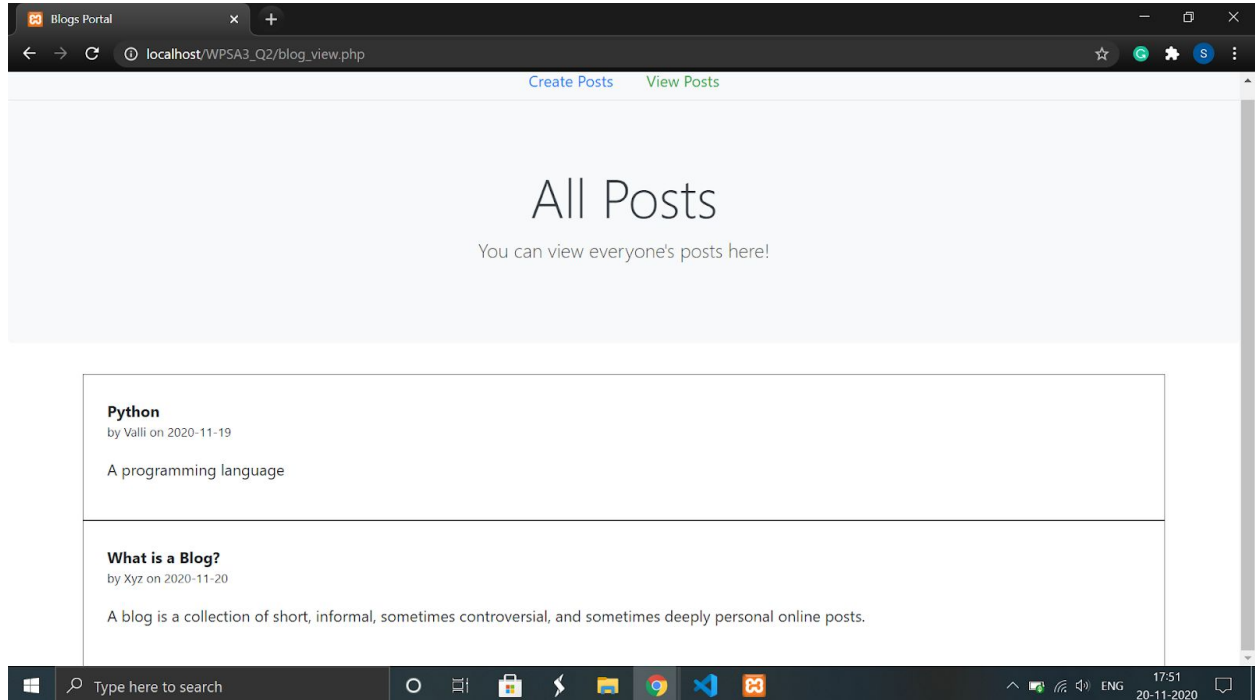Author Name: Xyz
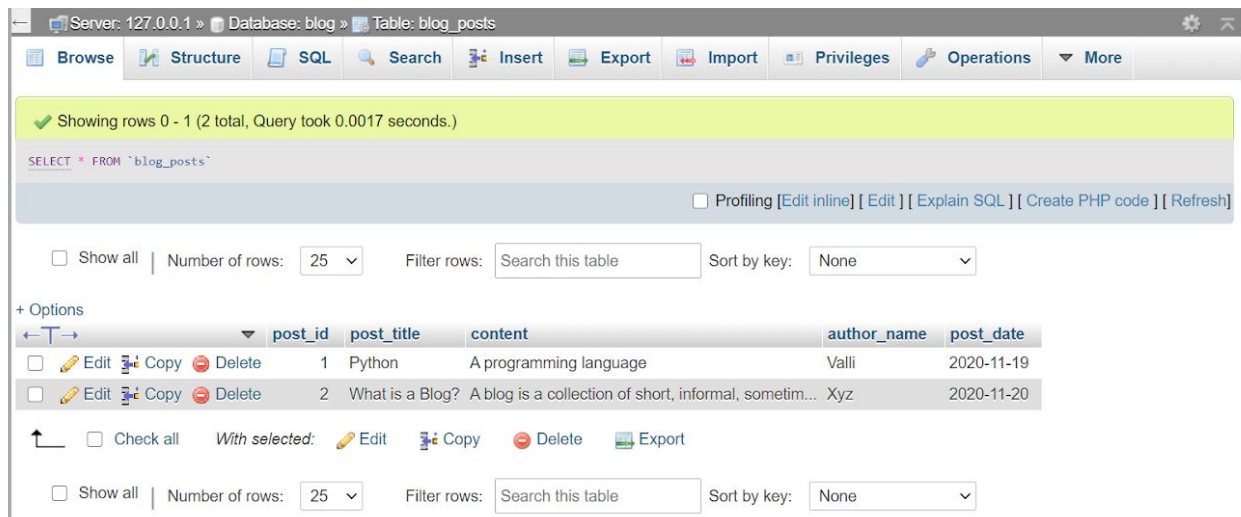I accept to post this: ☑

Accept & Continue

Success Page

Post successfully added into the blog!! Click here to view all other posts View Posts

View list of posts page

DataBase:

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

Source Code:

index.html

```html
<!DOCTYPE html>

<head>

<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Question 3</title>

<script
        src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>

<style>

table#alk-table tr th
{
        width: 100px;
}

</style>

</head>

<body>

        <table id="alk-table" border="1">
                <thead>

                        <tr>

                                <th>Id</th>
                                <th>Name</th>
                                <th>Year</th>
                                <th>Color</th>
                                <th>Pantone Value</th>

                        </tr>
```
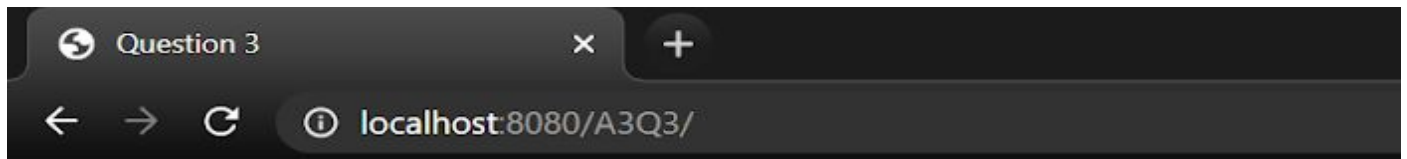
```html
        </thead>
        <tbody></tbody>
    </table>

    <script>
        $.ajax(
            {
                url : "https://reqres.in/api/register",
                data : {},
                beforeSend : function() {

                }
            }).done(
                function(response) {

                    var trArr = new Array();
                    $.each(response.data,
                        function(i, v) {

                            trArr.push('<tr><td>' + v.id +
'</td><td>'
                                                + v.name +
'</td><td>' + v.year
                                                + '</td><td>' + v.color
+ '</td><td>'
                                                + v.pantone_value +
'</td></tr>');
                        });

                    $('table#alk-table tbody').append(trArr.join('\n'));

                });
    </script>

</body>

</html>
```

Output:

WebPage:

Id	Name	Year	Color	Pantone Value
1	cerulean	2000	#98B2D1	15-4020
2	fuchsia rose	2001	#C74375	17-2031
3	true red	2002	#BF1932	19-1664
4	aqua sky	2003	#7BC4C4	14-4811
5	tigerlily	2004	#E2583E	17-1456
6	blue turquoise	2005	#53B0AE	15-5217