

CSE3002-INTERNET AND WEB PROGRAMMING

LAB ASSIGNMENT-6&10

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LAB ASSIGNMENT-6

QUESTION:

6. Create a program to change the content of the webpage using AJAX.
- Create a program to change the content of the Jackpot web page using AJAX.
 - Allow the user to enter any 4 digit number in the textbox.
 - Whenever the user enters a number ending with 7, show Rs 1000 as prize money.
 - When the user enters a number ending with 9, show Rs 3000 as the prize money.
 - For all other value Rs.100 as the prize money.
 - Prize Money updation should be done with AJAX.

PROCEDURE:

The tags and attributes used:

<html>-

Root element of an HTML page(contains everything in the html)

<head> -

Tells information about the document and contains any links

<body>-

Contains the body, i.e. the content of the body

<script>-

used to embed a client-side script (JavaScript).

<h1>,<h2>,<h3>,<h4>,<h5>,<h6>-

The different sizes of headings we can use in which h1 is the largest and h6 is the smallest

<form> -

used to create an HTML form for user input.

<input> -

specifies an input field where the user can enter data.

<style>-

Defines style information for a document

Properties:

color properties are used to change the color of the font

DOM-

document.getElementById(id)- To Find an element by element id

element.innerHTML = new html content- Used to Change the inner HTML of an element

XMLHttpRequest object-

can be used to request data from a web server.

onreadystatechange property-

specifies a function to be executed every time the status of the XMLHttpRequest object changes.

responseText -

get the response data as a string

PHP-

script starts with <?php and ends with ?>

Built in Functions:

echo -

used to output data to the screen.

\$_REQUEST-

is a PHP super global variable which is used to collect data after submitting an HTML form

preg_match() function-

returns whether a match was found in a string.

Procedure/Algorithm:

- 1) Assign a input tag where the user can give the number according to which the prize amount will be displayed.
- 2) Assign a h3 tag with a txt id and function when clicked the function showHint is fired.
- 3) A XMLHttpRequest object is assigned to variable ajax
- 4) When readyState property is 4 and the status property is 200, the response is ready, responseText returns the response data as string
- 5) To send a request to a server, we use the open() and send() methods of the XMLHttpRequest object

- 6) We make a php file named prize.php which will use regular expressions to match the output required.
- 7) When the server response is ready, We finally update the element "demo" with the HTML table filled with XML data.

CODE :

index.php

```
<!DOCTYPE html>
<html>
<head>
<script>
function showHint(str) {
  if (str.length == 0) {
    document.getElementById("txt").innerHTML = "Enter your number";
    return;
  } else {
    var ajax = new XMLHttpRequest();
    ajax.onreadystatechange = function() {
      if (this.readyState == 4 && this.status == 200) {
        document.getElementById("txt").innerHTML = this.responseText;
      }
    }
    ajax.open("GET", "prize.php?q="+str, true);
    ajax.send();
  }
}
</script>
</head>
<body>

<h1>JACKPOT</h1>
<h2>Yogeswari Sahu 18BCE0928</h2>
<h3>Enter any 4 digit number:</h3>
<form action="">
  <input type="number" id="num" name="num" onkeyup="showHint(this.value)">
</form>
<h3><span id="txt"></span></h3>

<style>
#txt{
  color: blue;
}
```

```
</style>
```

```
</body>
```

```
</html>
```

prize.php

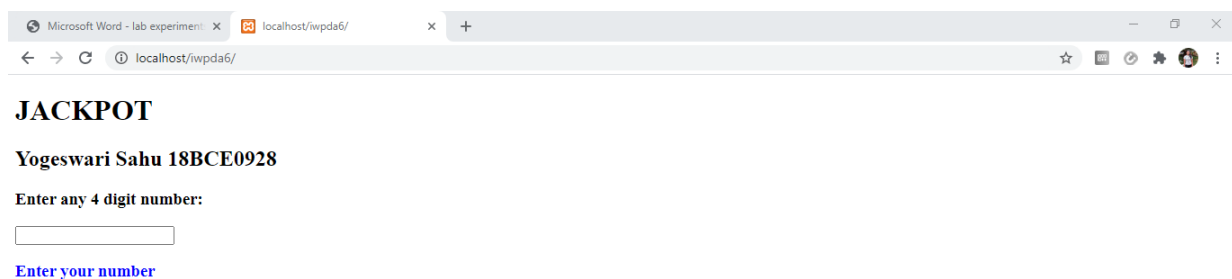
```
<?php
$q = $_REQUEST["q"];

$prize = "";

$pattern = "/^[0-9]{4}$/i";
$pattern1 = "/^[0-9]{3}[7]/i";
$pattern2 = "/^[0-9]{3}[9]/i";
if (!preg_match($pattern, $q)){
    $prize= "Enter four digit number";
}elseif (preg_match($pattern1, $q)){
    $prize= "Congratulations! You won prize money worth Rs.1000";
}elseif (preg_match($pattern2, $q)){
    $prize= "Congratulations! You won prize money worth Rs.3000";
}elseif (preg_match($pattern,$q)){
    $prize = "Congratulations! You won prize money worth Rs.100";
}
echo $prize;
?>
```

OUTPUT:

Task 1: To enter a number



Microsoft Word - lab experiment: x localhost/iwpda6/ x +

← → ↻ ⓘ localhost/iwpda6/ ☆ 📄 🔍 ⚙️ 👤 ⋮

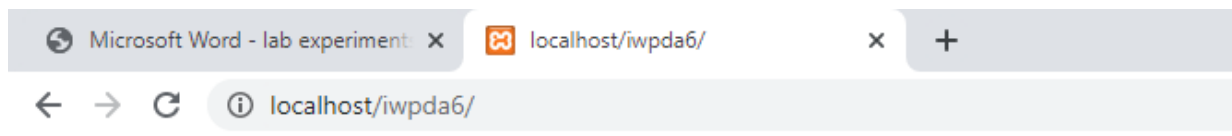
JACKPOT

Yogeswari Sahu 18BCE0928

Enter any 4 digit number:

[Enter your number](#)

Task 2: To enter a 4 digit number only



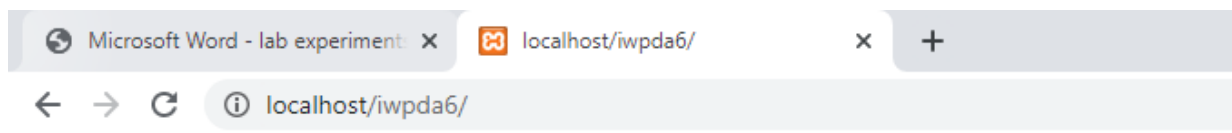
JACKPOT

Yogeswari Sahu 18BCE0928

Enter any 4 digit number:

Enter four digit number

Task 3: When we give any four digit number that is ending with 7 then the prize amount should show 1000



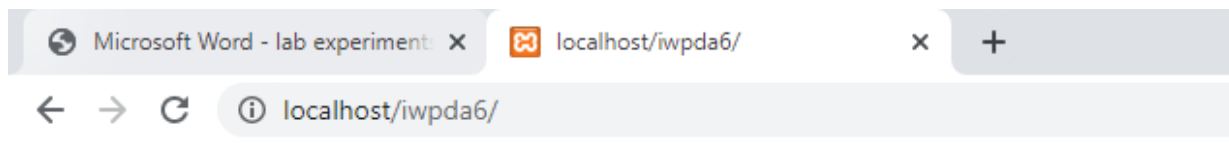
JACKPOT

Yogeswari Sahu 18BCE0928

Enter any 4 digit number:

Congratulations! You won prize money worth Rs.1000

Task 4: When we give any four digit number that is ending with 9 then the prize amount should show 3000



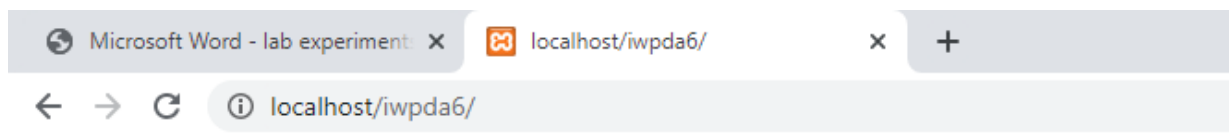
JACKPOT

Yogeswari Sahu 18BCE0928

Enter any 4 digit number:

Congratulations! You won prize money worth Rs.3000

Task 5: When we give any four digit number that is not ending with 7 or 9, the prize amount should show 100



JACKPOT

Yogeswari Sahu 18BCE0928

Enter any 4 digit number:

Congratulations! You won prize money worth Rs.100

LAB ASSIGNMENT-10

QUESTION:

10. Design a web application using PHP to perform all the Database operations.

i. Create an address book web application that allows the user to store and retrieve several mailing lists from MySQL database. The address book contains first name, designation, address1, address2, City, State, email Id. User can add, update and delete all address information's in the database. Implement search operation with email Id, when emailed is given it return an HTML page with all the complete address information.

PROCEDURE:

The tags and attributes used:

<html>-

Root element of an HTML page(contains everything in the html)

<body>-

Contains the body, i.e. the content of the body

<head> -

Tells information about the document and contains any links

<link> -

defines the relationship between the current document and an external resource.

 -

inline container used to mark up a part of a text, or a part of a document.

 -

specifies bold text without any extra importance.

`<h1>,<h2>,<h3>,<h4>,<h5>,<h6>-`

The different sizes of headings we can use in which h1 is the largest and h6 is the smallest

`<table> -`

defines an HTML table.

`<tr> -`

defines a row in an HTML table.

`<td> -`

defines a standard data cell in an HTML table.

`<input> -`

specifies an input field where the user can enter data.

`<button>-`

defines a clickable button.

PHP-

script starts with `<?php` and ends with `?>`

`$_POST` is a PHP super global variable which is used to collect form data after submitting an HTML form with `method="post"`

Built in Functions:

`isset -`

checks whether a variable is set, which means that it has to be declared and is not NULL

echo -

used to output data to the screen.

SQL-

mysqli_connect() function-

opens a new connection to the MySQL server.

INSERT INTO statement is used to insert new records in a table.

UPDATE statement is used to modify the existing records in a table.

DELETE statement is used to delete existing records in a table.

SELECT statement is used to select data from a database. The data returned is stored in a result table, called the result-set.

Procedure/Algorithm:

- 1) Make a HTML form with all the details required i.e. first name, designation, address1, address2, City, State, email Id.
- 2) Make three buttons for adding, updating and deleting. Whenever a particular button is clicked, a particular function is fired.
- 3) Make connection with the SQL Database whenever a particular button is clicked
- 4) Perform the required operation using the Insert into , Update, Delete and Select statements of SQL
- 5) Print the outputs accordingly

CODE :

```
<!DOCTYPE html>  
<html>
```

```
<head>
  <title>18BCE0928 Yogeswari Sahu</title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
</head>
<body>
  <nav class="navbar navbar-light bg-light">
    <span class="navbar-brand mb-0 h1">Address Book</span>
    <span class="form-inline my-2 my-lg-0"> <b> 18BCE0928 YOGESWARI SAHU</b> </span>
  </nav>
  <h1></h1>
  <table>
    <form action="" method="post">
      <tr>
        <td> <b> Enter First Name : </b></td>
        <td><input type="text" name="firstname"></td>
      </tr>
      <tr>
        <td> <b> Email ID :</b> </td>
        <td><input type="email" name="emailid"></td>
      </tr>
      <tr>
        <td> <b> Enter Designation : </b></td>
        <td><input type="text" name="designation"></td>
      </tr>
      <tr>
        <td> <b>Address 1 : </b> </td>
        <td><input type="text" name="Address1"></td>
      </tr>
      <tr>
        <td> <b>Address 2 : </b> </td>
        <td><input type="text" name="Address2"></td>
      </tr>
      <tr>
        <td> <b>City :</b> </td>
        <td><input type="text" name="City"></td>
      </tr>
      <tr>
        <td> <b> State :</b> </td>
        <td><input type="text" name="State"></td>
      </tr>
      <tr>
        <td><button class="btn btn-primary" name="submit">Add</button></td>
        <td><button class="btn btn-warning" name="update">Update</button></td>
        <td><button class="btn btn-danger" name="delete">Delete</button></td>
      </tr>
    </form>
  </table>
</body>
```

```

        </tr>
        <tr>
            <td> <b>Enter Email ID to Search :</b> </td>
            <td><input type="email" name ="search" id="search"></td>
        </tr>
        <tr>
            <td><button class="btn btn-info" name="searchid">Search</button></td>
        </tr>

    </form>
</table>
<?php
if(isset($_POST["submit"]))
{

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "yogeswariiwpl0";

// Create connection
$conn = new mysqli($servername, $username, $password,$dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$firstname = $_POST["firstname"];
$designation = $_POST["designation"];
$address1 = $_POST["Address1"];
$address2 = $_POST["Address2"];
$city = $_POST["City"];
$state = $_POST["State"];
$emailid = $_POST["emailid"];

$sql = "INSERT INTO address (firstname,designation,address1,address2,city,state,emailid )
VALUES ('$firstname','$designation','$address1','$address2','$city','$state','$emailid')";
;
if (mysqli_query($conn, $sql)) {
    echo "<b><h3> New record created successfully</h3></b>";
} else {
    echo "<b><h3>Error:</b></h3> " . $sql . "<br>" . mysqli_error($conn);
}

mysqli_close($conn);
}
if(isset($_POST["update"]))
{

```

```

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "yogeswariwp10";

// Create connection
$conn = new mysqli($servername, $username, $password,$dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$firstname = $_POST["firstname"];
$designation = $_POST["designation"];
$address1 = $_POST["Address1"];
$address2 = $_POST["Address2"];
$city = $_POST["City"];
$state = $_POST["State"];
$emailid = $_POST["emailid"];

$sql = "UPDATE address set firstname='$firstname',designation= '$designation', address1='
$address1',address2='$address2',city='$city',state='$state' ,emailid='$emailid' where fir
stname='$firstname' ";
if (mysqli_query($conn, $sql)) {
    echo "<b><h3>Record updated successfully</b></h3>";
} else {
    echo "<b><h3>Error:</b></h3> " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}

if(isset($_POST["delete"]))
{
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "yogeswariwp10";

    // Create connection
    $conn = new mysqli($servername, $username, $password,$dbname);

    // Check connection
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    $firstname = $_POST["firstname"];
    $designation = $_POST["designation"];
    $address1 = $_POST["Address1"];

```

```

$address2 = $_POST["Address2"];
$city = $_POST["City"];
$state = $_POST["State"];
$emailid = $_POST["emailid"];

$sql = "DELETE FROM address WHERE firstname='$firstname' ";
if (mysqli_query($conn, $sql)) {
    echo "<b><h3> Record Deleted successfully</h3></b>";
} else {
    echo "<b><h3> Error: </h3></b>" . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}

if(isset($_POST["searchid"]))
{
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "yogeswariwp10";

    // Create connection
    $conn = new mysqli($servername, $username, $password,$dbname);

    // Check connection
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    $search = $_POST["search"];
    $firstname = $_POST["firstname"];
    $designation = $_POST["designation"];
    $address1 = $_POST["Address1"];
    $address2 = $_POST["Address2"];
    $city = $_POST["City"];
    $state = $_POST["State"];
    $emailid = $_POST["emailid"];

    $sql = "SELECT * from address WHERE emailid='$search' ";
    $result = mysqli_query($conn, $sql);

    if (mysqli_num_rows($result) > 0) {

        while($row = mysqli_fetch_assoc($result)) {
            echo "<b>First Name:</b> " . $row["firstname"]. "<br>." <b>Designation:</b> " . $row["designation"]. "<br>." <b>Address 1:</b> " . $row["address1"]. "<br>." <b>Address 2:</b> " . $row["address2"]. "<br>." <b>City:</b> " . $row["city"]. "<br>." <b>State:</b> " . $row["state"]. "<br>." <b>Email ID</b>". $row["emailid"]. "<br>";
        }
    }
}

```

```

} else {
    echo "0 results";
}

mysqli_close($conn);
}

?>

</body>
</html>

```

OUTPUT:

Address Book

18BCE0928 YOGESWARI SAHU

Enter First Name :

Enter Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Add

Update

Delete

Enter Email ID to Search :

Search

Server: 127.0.0.1 » Database: yogeswariwp10 » Table: address

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)

SELECT * FROM `address`

Profiling

Edit inline

Edit

Explain SQL

Create PHP code

Refresh

firstname

designation

address1

address2

city

state

emailid

Query results operations

Create view

Bookmark this SQL query

Label:

Let every user access this bookmark

Bookmark this SQL query

Console

Adding a Record:

Address Book

18BCE0928 YOGESWARI SAHU

Enter First Name :

Yogeswari

Email ID :

ysahujan042526@gmail.

Enter Designation :

3rd Year Student

Address 1 :

Mahindra Ashvita

Address 2 :

Odisha

City :

Hyderabad

State :

Telangana

Add

Update

Delete

Enter Email ID to Search :

Search

New record created successfully

Address Book

18BCE0928 YOGESWARI SAHU

Enter First Name :

Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Add

Update

Delete

Enter Email ID to Search :

Search

New record created successfully

Server: 127.0.0.1 » Database: yogeswarip10 » Table: address

Showing rows 0 - 0 (1 total, Query took 0.0007 seconds.)

SELECT * FROM `address`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	firstname	designation	address1	address2	city	state	emailid
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Yogeswari	3rd Year Student	Mahindra Ashvita	Odisha	Hyderabad	Telangana	ysahujan042526@gmail.com

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

☐ Bookmark this SQL query

☐ Let every user access this bookmark

Console

Updating Record:

Address Book 18BCE0928 YOGESWARI SAHU

Enter First Name :

Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Enter Email ID to Search :

Record updated successfully

Address Book

18BCE0928 YOGESWARI SAHU

Enter First Name :

Enter Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Add

Update

Delete

Enter Email ID to Search :

Search

Record updated successfully

Server: 127.0.0.1 » Database: yogeswarimp10 » Table: address

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Triggers

Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

SELECT * FROM `address`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

←

→

▼

firstname

designation

address1

address2

city

state

emailid

☐ Edit ☐ Copy ☐ Delete Yogeswari 3rd Year Student Mahindra Ashvita Berhampur,Odisha Hyderabad Telangana yogeswari.sahu2018@vitstudent.

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Searching a Record:

Address Book

18BCE0928 YOGESWARI SAHU

Enter First Name :

Enter Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Add

Update

Delete

Enter Email ID to Search :ysahujan042526@gmail.

Search

First Name: Yogeswari

Designation: 3rd Year Student

Address 1: Mahindra Ashvita

Address 2:Odisha

City: Hyderabad

State: Telangana

Email IDysahujan042526@gmail.com

Deleting Record:

Address Book 18BCE0928 YOGESWARI SAHU

Enter First Name :

Email ID :

Enter Designation :

Address 1 :

Address 2 :

City :

State :

Add

Update

Delete

Enter Email ID to Search :

Search

Record Deleted successfully

Server: 127.0.0.1 » Database: yogeswariwp10 » Table: address

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)

SELECT * FROM `address`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

firstname designation address1 address2 city state emailid

Query results operations

Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console