

### Q slip 1

a.php

<?php

Session\_start();

If(isset(\$\_SESSION['pcount'])) {

    \$\_SESSION['pcount'] += 1;

}

else {

    \$\_SESSION['pcount'] = 1;

}

echo "You have visited this page " . \$\_SESSION['pcount'] . " Time(s).";

?>

## Q slip 2

### \*Firstpage.html

```
<html>
<head>
<title>Change preferences</title>
</head>
<body>
<h1>Change preferences</h1>
<form action="Secondpage.php" method="post">
<label for="fontstyle">Font Style:</label>
<select name="fontstyle" id="fontstyle">
<option value="Arial">Arial</option>
<option value="Times New Roman">Times New Roman</option>
<option value="Verdana">Verdana</option>
</select><br><br>
<label for="fontsize">Font Size:</label>
<select name="fontsize" id="fontsize">
<option value="12">12</option>
<option value="14">14</option>
<option value="16">16</option>
</select><br><br>
<label for="fontcolor">Font Color:</label>
<input type="color" name="fontcolor" id="fontcolor"><br><br>
<label for="bgcolor">Background Color:</label>
<input type="color" name="bgcolor" id="bgcolor"><br><br>
<input type="submit" name="submit" value="Save">
</form>
</body>
</html>
```

### \*Secondpage.php

```
<?php
If(isset($_POST['submit'])) {
$fontstyle = $_POST['fontstyle'];
$fontsize = $_POST['fontsize'];
$fontcolor = $_POST['fontcolor'];
$bgcolor = $_POST['bgcolor'];
// Set the cookie values
Setcookie('fontstyle', $fontstyle, time()+86400);
Setcookie('fontsize', $fontsize, time()+86400);
Setcookie('fontcolor', $fontcolor, time()+86400);
```

```
Setcookie('bgcolor', $bgcolor, time()+86400);
// Redirect to the next page
Header('Location: Thirdpage.php');
Exit();
}
?>
```

#### \*Thirdpage.php

```
<?php
// Retrieve the cookie values
$fontstyle = isset($_COOKIE['fontstyle']) ? $_COOKIE['fontstyle'] : 'Arial';
$fontsize = isset($_COOKIE['fontsize']) ? $_COOKIE['fontsize'] : '12';
$fontcolor = isset($_COOKIE['fontcolor']) ? $_COOKIE['fontcolor'] : '#000000';
$bgcolor = isset($_COOKIE['bgcolor']) ? $_COOKIE['bgcolor'] : '#FFFFFF';
?>
<!DOCTYPE html>
<html>
<head>
<title>Page with new setings</title>
<style type="text/css">
body {
Font-family: <?php echo $fontstyle ?>;
Font-size: <?php echo $fontsize ?>px;
Color: <?php echo $fontcolor ?>;
Background-color: <?php echo $bgcolor ?>;
}
</style>
</head>
<body>
<h1>Page with new setings</h1>
<p>This is the page with the new setings. The font style is <?php echo
$fontstyle ?>, the font
size is <?php echo $fontsize ?>px, the font color is <?php echo $fontcolor ?>,
and the background color
is <?php echo $bgcolor ?>.</p>
</body>
</html>
```

### Q slip 3

#### a.php

```
<?php
// Start session
Session_start();
// Check if login form has been submitted
If(isset($_POST['submit'])) {
    // Get username and password input from user
    $username = $_POST['username'];
    $password = $_POST['password'];
    // Set correct username and password
    $correct_username = 'myusername';
    $correct_password = 'mypassword';
    // Check if entered username and password are correct
    If($username == $correct_username && $password == $correct_password) {
        // Set session variable to mark user as logged in
        $_SESSION['loggedin'] = true;
        // Redirect user to welcome page
        Header('Location: welcome.php');
        exit;
    } else {
        // Decrement login attempts
        If(isset($_SESSION['attempts'])) {
            $_SESSION['attempts']--;
        } else {
            $_SESSION['attempts'] = 3;
        }
        // Display error message if maximum login attempts exceeded
        If($_SESSION['attempts'] <= 0) {
            Echo "Maximum login attempts exceeded. Please try again later.";
        } else {
            // Display error message
            echo "Invalid username or password. You have " . $_SESSION['attempts'] . "
Attempt(s) left.";
        }
    }
}
?>

<form method="post">
<label for="username">Username:</label>
<input type="text" id="username" name="username" required><br><br>
```

```
<label for="password">Password:</label>
<input type="password" id="password" name="password"
required><br><br>
<input type="submit" name="submit" value="Log In">
</form>
```

## QSlip 4

### \*Firstpage.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<head>
  <title>Employee Details</title>
</head>
<body>
  <h1>Employee Details</h1>
  <form method="POST" action="Secondpage.php">
    <label for="eno">Employee No:</label>
    <input type="text" id="eno" name="eno"><br><br>
    <label for="ename">Employee Name:</label>
    <input type="text" id="ename" name="ename"><br><br>
    <label for="address">Address:</label>
    <textarea id="address" name="address"></textarea><br><br>
    <input type="submit" value="Next">
  </form>
</body>
</html>
```

```
<?php
// Store employee details in session
if(isset($_POST['eno']) && isset($_POST['ename']) &&
isset($_POST['address'])) {
  $_SESSION['eno'] = $_POST['eno'];
  $_SESSION['ename'] = $_POST['ename'];
  $_SESSION['address'] = $_POST['address'];
}
?>
```

### \*Secondpage.php

```
<?php
session_start();
?>

<!DOCTYPE html>
```

```

<html>
<head>
  <title>Earnings</title>
</head>
<body>
  <h1>Earnings</h1>
  <form method="POST" action="Thirdpage.php">
    <label for="basic">Basic:</label>
    <input type="text" id="basic" name="basic"><br><br>
    <label for="da">DA:</label>
    <input type="text" id="da" name="da"><br><br>
    <label for="hra">HRA:</label>
    <input type="text" id="hra" name="hra"><br><br>
    <input type="submit" value="Next">
  </form>
</body>
</html>

```

```

<?php
// Start or resume a session
session_start();

// Store earnings in session
if(isset($_POST['basic']) && isset($_POST['da']) && isset($_POST['hra'])) {
  $_SESSION['basic'] = $_POST['basic'];
  $_SESSION['da'] = $_POST['da'];
  $_SESSION['hra'] = $_POST['hra'];
}
?>

```

### \*Thirdpage.php

```

<?php
session_start();

// Calculate total earnings
$total = $_SESSION['basic'] + $_SESSION['da'] + $_SESSION['hra'];
?>

```

```

<!DOCTYPE html>
<html>
<head>
  <title>Employee Information</title>

```

```
</head>
<body>
  <h1>Employee Information</h1>
  <p><strong>Employee No:</strong> <?php echo $_SESSION['eno']; ?></p>
  <p><strong>Employee Name:</strong> <?php echo $_SESSION['ename'];
?></p>
  <p><strong>Address:</strong> <?php echo $_SESSION['address']; ?></p>
  <p><strong>Basic:</strong> <?php echo $_SESSION['basic']; ?></p>
  <p><strong>DA:</strong> <?php echo $_SESSION['da']; ?></p>
  <p><strong>HRA:</strong> <?php echo $_SESSION['hra']; ?></p>
  <p><strong>Total Earnings:</strong> <?php echo $total; ?></p>
</body>
</html>
```



## QSlip 5

\*items.xml

```
<items>
  <item type="Electronics">
    <name>Television</name>
    <rate>500</rate>
    <quantity>10</quantity>
  </item>
  <item type="Clothing">
    <name>Shirt</name>
    <rate>50</rate>
    <quantity>20</quantity>
  </item>
  <item type="Grocery">
    <name>Rice</name>
    <rate>40</rate>
    <quantity>30</quantity>
  </item>
  <item type="Books">
    <name>Harry Potter and the Philosopher's Stone</name>
    <rate>20</rate>
    <quantity>50</quantity>
  </item>
  <item type="Sports">
    <name>Football</name>
    <rate>100</rate>
    <quantity>5</quantity>
  </item>
</items>
```

## QSlip6

### a.php

```
<?php
// Load the XML file into a SimpleXML object
$xml = simplexml_load_file("book.xml");

// Display the attributes and elements of the SimpleXML object
echo "Book attributes: <br>";
echo "ISBN: " . $xml['isbn'] . "<br>";
echo "Publisher: " . $xml['publisher'] . "<br><br>";

echo "Book elements: <br>";
echo "Title: " . $xml->title . "<br>";
echo "Author: " . $xml->author . "<br>";
echo "Description: " . $xml->description . "<br>";

?>
```

### \*Books.xml

```
<?xml version="1.0"?>
<book isbn="978-3-16-148410-0" publisher="Example Publisher">
  <title>Example Book</title>
  <author>John Doe</author>
  <description>This is an example book.</description>
</book>
```

## QSlip7

### Movie.xml

```
<?xml version="1.0"?>
<MovieList>
  <MovieInfo>
    <MovieNo>1</MovieNo>
    <MovieTitle>The Shawshank Redemption</MovieTitle>
    <ActorName>Tim Robbins</ActorName>
    <ReleaseYear>1994</ReleaseYear>
  </MovieInfo>
  <MovieInfo>
    <MovieNo>2</MovieNo>
    <MovieTitle>The Godfather</MovieTitle>
    <ActorName>Marlon Brando</ActorName>
    <ReleaseYear>1972</ReleaseYear>
  </MovieInfo>
  <MovieInfo>
    <MovieNo>3</MovieNo>
    <MovieTitle>The Dark Knight</MovieTitle>
    <ActorName>Christian Bale</ActorName>
    <ReleaseYear>2008</ReleaseYear>
  </MovieInfo>
  <MovieInfo>
    <MovieNo>4</MovieNo>
    <MovieTitle>The Godfather: Part II</MovieTitle>
    <ActorName>Al Pacino</ActorName>
    <ReleaseYear>1974</ReleaseYear>
  </MovieInfo>
  <MovieInfo>
    <MovieNo>5</MovieNo>
    <MovieTitle>12 Angry Men</MovieTitle>
    <ActorName>Henry Fonda</ActorName>
    <ReleaseYear>1957</ReleaseYear>
  </MovieInfo>
</MovieList>
```

### a.php

```
<?php
// Load the XML file
$xml = new DOMDocument();
```

```
$xml->load('Movie.xml');

// Get all the movie nodes
$movies = $xml->getElementsByTagName('MovieInfo');

// Loop through each movie node and print the movie title and actor name
foreach ($movies as $movie) {
    echo "Movie Title: " .
    $movie->getElementsByTagName('MovieTitle')[0]->textContent . ", ";
    echo "Actor Name: " .
    $movie->getElementsByTagName('ActorName')[0]->textContent . "<br>";
}
?>
```

## QSlip8

### a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Exam Preparation</title>
</head>
<body>

<script>
    // Display alert box
    alert('Exams are near, have you started preparing for?');

    // Get user input using prompt
    var userInputPrompt = prompt('Enter your preparation status (yes/no):');

    // Display messages based on prompt input
    if (userInputPrompt !== null)
    {
        if (userInputPrompt.toLowerCase() === 'yes')
        {
            alert('Great! Keep up the good work!');
        }
        else if (userInputPrompt.toLowerCase() === 'no')
        {
            alert('Take your time and start preparing when you are
ready.');
```

ready.');

```
        } else {
            alert('Invalid input. Please enter "yes" or "no".');
        }
        } else {
            alert('You clicked cancel for prompt. Please refresh and try again.');
```

ready.');

```
        }
    }

    // Get user input using confirm
    var confirmation = confirm('Have you started preparing for exams?');

    // Display messages based on confirm input
    if (confirmation) {
        alert('Great! Keep up the good work!');
```

```
        } else {  
            alert('Take your time and start preparing when you are ready.');
```

  

```
        }  
    </script>  
  
    </body>  
</html>
```

## QSlip 9

### a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Membership Form</title>
</head>
<body>

<form id="membershipForm" onsubmit="return validateForm()">

<label for="username">Username:</label>
<input type="text" id="username" name="username" required>

<br>

<label for="password">Password:</label>
<input type="password" id="password" name="password" required>

<br>

<input type="submit" value="Submit">
</form>

<script>
    function validateForm()
    {
        // Get values from the form
        var username = document.getElementById('username').value;
        var password = document.getElementById('password').value;

        // Validate username
        if (username.length < 5)
        {
            alert('Username must be at least 5 characters long.');
```

return false;

```
        }

        // Validate password
```

```
    if (password.length < 8)
    {
        alert('Password must be at least 8 characters long.');
```

return false;

```
    }

    // Check for at least one uppercase letter, one lowercase letter, one
special symbol, and one number
    if (!/[A-Z]/.test(password) || ![a-z]/.test(password) ||
    !/[!@#$$%^&*()_+{}|\[\];;<>,.?~\W-]/.test(password) || !\d/.test(password))
    {
        alert('Password must meet the criteria: at least one uppercase
letter, one lowercase letter, one special symbol, and one number.');
```

return false;

```
    }

    // Success message if validation passes
    alert('Valid username and password. Form submitted successfully!');
```

// If all validations pass, return true to submit the form

```
    return true;
}
</script>

</body>
</html>
```



## QSlip 10

### a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Insert Text Around Image</title>
  <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
</head>
<body>


<script>
  $(document).ready(function () {
    $('#myImage').before('<p>This is the text before the image.</p>');
    $('#myImage').after('<p>This is the text after the image.</p>');
  });
</script>
</body></html>
```

## QSlip 11

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>JavaScript Example</title>
  <style>
    #name {
      font-size: 14px;
      color: black;
    }
  </style>
</head>
<body>
  <input type="text" id="name" onblur="changeStyle()"
onmouseover="changeSize()" onmouseout="resetSize()"
onmousedown="changeColor()" onmouseup="resetColor()">
  
  <script>
    function changeStyle() {
      let name = document.getElementById("name").value;
      if (name) {
        document.getElementById("name").style.fontSize = "18px";
        document.getElementById("name").style.color = "red";
      } else {
        document.getElementById("img").style.display = "none"; // changed from
"block" to "none"
      }
    }

    function changeSize() {
      document.getElementById("name").style.fontSize = "16px";
    }

    function resetSize() {
      document.getElementById("name").style.fontSize = "14px";
    }

    function changeColor() {
      document.getElementById("name").style.color = "blue";
    }
  </script>
</body>
</html>
```

```
function resetColor() {  
    document.getElementById("name").style.color = "red";  
}  
  
function changelImageSize() {  
    document.getElementById("img").style.width = "200px";  
    document.getElementById("img").style.height = "200px";  
}  
</script></body></html>
```

## QSlip12

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Contact List</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="script.js"></script>
</head>
<body>
  <button id="printBtn">Print Contacts</button>
  <br><br>
  <table id="contactTable">
    <thead>
      <tr>
        <th>Sr. No.</th>
        <th>Name</th>
        <th>Residence Number</th>
        <th>Mobile Number</th>
        <th>Address</th>
      </tr>
    </thead>
    <tbody>
      <!-- Contact list will be displayed here -->
    </tbody>
  </table>
</body></html>
```

### \*Contact.dat

John Doe,123-456-7890,987-654-3210,123 Main St,Anytown  
Jane Smith,234-567-8901,876-543-2109,456 Elm St,Anycity  
Alice Johnson,345-678-9012,765-432-1098,789 Oak St,Someplace

### \*script.js

```
$(document).ready(function() {
  // Event listener for print button
  $("#printBtn").click(function() {
    // AJAX request to read contact.dat file
```

```
$.ajax({
  url: "contact.dat",
  dataType: "text",
  success: function(data) {
    // Split the file contents into lines
    var lines = data.split("\n");
    // Iterate over each line and create a table row
    var tableRows = "";
    for (var i = 0; i < lines.length; i++) {
      var columns = lines[i].split(",");
      if (columns.length == 5) { // Only process valid rows
        tableRows += "<tr>";
        for (var j = 0; j < columns.length; j++) {
          tableRows += "<td>" + columns[j] + "</td>";
        }
        tableRows += "</tr>";
      }
    }
    // Add the table rows to the table body
    $("#contactTable tbody").html(tableRows);
  },
  error: function(jqXHR, textStatus, errorThrown) {
    alert("Error: " + errorThrown);
  }
});
});
});
```

## QSlip13

### \*a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>AJAX Program</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
  <label for="name">Enter your name:</label>
  <input type="text" id="name" name="name">
  <div id="response"></div>
  <script src="ajax.js"></script>
</body>
</html>
```

### \*ajax.js

```
$(document).ready(function() {
  // Attach an event listener to the name input field
  $('#name').on('input', function() {
    // Get the name entered by the user
    var name = $(this).val();
    // Send an AJAX request to the server
    $.ajax({
      url: 'server.php',
      type: 'POST',
      data: { name: name },
      success: function(response) {
        // Update the response div with the server's response
        $('#response').html(response);
      },
      error: function(xhr, status, error) {
        console.error('AJAX Error:', status, error);
      }
    });
  });
});
```

### \*server.php

```
<?php
// Check if the name parameter is set in the POST request
if (isset($_POST['name'])) {
    // Get the name entered by the user
    $name = $_POST['name'];

    // Check if the name is empty
    if (empty($name)) {
        echo 'Stranger, please tell me your name!';
    }
    // Check if the name is one of the master names
    else if ($name === 'Rohit' || $name === 'Virat' || $name === 'Dhoni' || $name
=== 'Ashwin' || $name === 'Harbhajan') {
        echo 'Hello, master!';
    }
    // Otherwise, the server doesn't know the user
    else {
        echo $name . ', I don\'t know you!';
    }
} else {
    // Handle case where name parameter is not set
    echo 'Name parameter is not set!';
}
?>
```

## QSlip14

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Teacher Details</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
<body>
  <select id="teacher-list">
    <option value="">--Select Teacher--</option>
    <option value="1">John Doe</option>
    <option value="2">Jane Smith</option>
    <option value="3">Bob Johnson</option>
  </select>
  <button id="submit-btn">Get Details</button>
  <div id="details"></div>
  <script>
    $(document).ready(function() {
      $('#submit-btn').click(function() {
        var tno = $('#teacher-list').val();
        if (tno == "") {
          alert('Please select a teacher.');
```



### \*teachersdetails.php

```
<?php
// Connect to database
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "database_name";
$conn = mysqli_connect($servername, $username, $password, $dbname);

// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

// Retrieve selected teacher details
if (isset($_POST['tno'])) {
    $tno = $_POST['tno'];
    $sql = "SELECT * FROM TEACHER WHERE tno = ?";
    $stmt = mysqli_prepare($conn, $sql);
    mysqli_stmt_bind_param($stmt, "i", $tno);
    mysqli_stmt_execute($stmt);
    $result = mysqli_stmt_get_result($stmt);

    if (mysqli_num_rows($result) > 0) {
        $row = mysqli_fetch_assoc($result);
        echo "Teacher Name: " . $row['tname'] . "<br>";
        echo "Qualification: " . $row['qualification'] . "<br>";
        echo "Salary: " . $row['salary'] . "<br>";
    } else {
        echo "No data found.";
    }
}

// Close database connection
mysqli_close($conn);
?>
```

## QSlip15

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>AJAX Auto Suggestions Example</title>
  <script>
    function fetchSuggestions(str) {
      if (str.length == 0) {
        document.getElementById("suggestions").innerHTML = "";
        return;
      }
      var suggestions = ["apple", "banana", "cherry", "dates", "elderberry", "fig",
"grape", "honeydew", "kiwi", "lemon"];
      var matches = [];
      for (var i = 0; i < suggestions.length; i++) {
        if (suggestions[i].toLowerCase().startsWith(str.toLowerCase())) {
          matches.push(suggestions[i]);
        }
      }
      if (matches.length > 0) {
        document.getElementById("suggestions").innerHTML =
matches.join("<br>");
      } else {
        document.getElementById("suggestions").innerHTML = "No suggestions
found";
      }
    }
  </script>
</head>
<body>
  <input type="text" onkeyup="fetchSuggestions(this.value)">
  <div id="suggestions"></div>
</body>
</html>
```

## QSlip16

### \*a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Book Details</title>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="script.js"></script>
</head>
<body>
  <label for="bookSelect">Select a book:</label>
  <select id="bookSelect">
    <option value="">Select</option>
  </select>
  <div id="bookDetails"></div>
</body>
</html>
```

### \*Books.xml

```
<books>
  <book>
    <title>Book 1</title>
    <author>Author 1</author>
    <year>2020</year>
    <price>10</price>
  </book>
  <book>
    <title>Book 2</title>
    <author>Author 2</author>
    <year>2019</year>
    <price>15</price>
  </book>
  <!-- Add more book entries as needed -->
</books>
```

### \*getbookdetails.php

```

<?php
if (isset($_POST['title'])) {
    $title = $_POST['title'];

    $xml = simplexml_load_file('books.xml');
    $bookDetails = array();

    foreach ($xml->book as $book) {
        if ((string)$book->title === $title) {
            $bookDetails['title'] = (string)$book->title;
            $bookDetails['author'] = (string)$book->author;
            $bookDetails['year'] = (string)$book->year;
            $bookDetails['price'] = (string)$book->price;
            break;
        }
    }

    // Return the data as JSON
    echo json_encode($bookDetails);
}
?>

```

#### \*script.js

```

$(document).ready(function(){
    $.ajax({
        url: 'books.xml',
        dataType: 'xml',
        success: function(xml) {
            $(xml).find('book').each(function(){
                var title = $(this).find('title').text();
                $('#bookSelect').append('<option value="" + title + "">' + title +
'</option>');
            });
        },
        error: function(xhr, status, error) {
            console.error("Error:", status, error);
        }
    });

    $("#bookSelect").change(function(){
        var selectedBook = $(this).val();
        if (selectedBook !== "") {
            $.ajax({

```

```
url: 'get_books_details.php',
type: 'POST',
data: {title: selectedBook},
dataType: 'json',
success: function(bookDetails) {
    $("#bookDetails").html("<h2>Book Details</h2><p>Title: " +
bookDetails.title + "</p><p>Author: " + bookDetails.author + "</p><p>Year: " +
bookDetails.year + "</p><p>Price: " + bookDetails.price + "</p>");
},
error: function(xhr, status, error) {
    console.error("Error:", status, error);
}
});
} else {
    $("#bookDetails").empty();
}
});
});
```

## QSlip17

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
  <script>
    window.onload = function() {
      alert("Hello Good Morning!");
    };
  </script>
</head>
<body>
  <h1>Student Registration Form</h1>
  <form>
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required><br><br>
    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required><br><br>
    <label for="phone">Phone:</label>
    <input type="tel" id="phone" name="phone" required><br><br>
    <label for="address">Address:</label>
    <textarea id="address" name="address" required></textarea><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

## QSlip18

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Fibonacci Numbers</title>
  <script>
    function generateFibonacci() {
      // Get the input value from the user
      var input = document.getElementById("inputNumber").value;
      var output = document.getElementById("output");

      // Validate input
      if (input === "" || isNaN(input)) {
        output.innerHTML = "Please enter a valid number.";
        return;
      }

      // Convert the input to a number
      var n = parseInt(input);
      // Create an array to store the Fibonacci sequence
      var Fib = [];
      // Calculate the Fibonacci sequence up to n
      Fib[0] = 0;
      Fib[1] = 1;
      for (var i = 2; i <= n; i++) {
        Fib[i] = Fib[i-1] + Fib[i-2];
      }
      // Display the Fibonacci sequence
      output.innerHTML = "Fibonacci sequence up to " + n + ": " + Fib.join(", ");
    }
  </script>
</head>
<body>
  <h1>Fibonacci Numbers</h1>
  <p>Enter a number:</p>
  <input type="text" id="inputNumber">
  <button onclick="generateFibonacci()">Generate Fibonacci</button>
  <p id="output"></p>
</body>
</html>
```

## QSlip19

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Validate User Name and Password</title>
  <script>
    function validateForm() {
      var username = document.forms["myForm"]["username"].value;
      var password = document.forms["myForm"]["password"].value;
      if (username == "") {
        alert("Username must be filled out");
        return false;
      }
      if (password == "") {
        alert("Password must be filled out");
        return false;
      }
    }
  </script>
</head>
<body>
  <h2>Validate User Name and Password</h2>
  <form name="myForm" onsubmit="return validateForm()" method="post">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username"><br><br>
    <label for="password">Password:</label>
    <input type="password" id="password" name="password"><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```



## QSlip20

### students.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<students>
  <student>
    <name>John Doe</name>
    <age>21</age>
    <gender>Male</gender>
    <major>Computer Science</major>
    <gpa>3.8</gpa>
  </student>
  <student>
    <name>Jane Smith</name>
    <age>19</age>
    <gender>Female</gender>
    <major>Business</major>
    <gpa>3.5</gpa>
  </student>
  <student>
    <name>Tom Johnson</name>
    <age>20</age>
    <gender>Male</gender>
    <major>Engineering</major>
    <gpa>3.2</gpa>
  </student>
  <student>
    <name>Sara Lee</name>
    <age>22</age>
    <gender>Female</gender>
    <major>Psychology</major>
    <gpa>3.6</gpa>
  </student>
  <student>
    <name>Mike Brown</name>
    <age>18</age>
    <gender>Male</gender>
    <major>Education</major>
    <gpa>3.4</gpa>
  </student>
</students>
```

## QSlip21

### \*Numbercheckcontroller.php

```
<?php
// NumberCheckController.php

class NumberCheckController extends CI_Controller {
    public function index() {
        $this->load->view('number_check_view');
    }
}
```

### \*a.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Number Check</title>
    <script src="<?php echo base_url('number.js'); ?>"></script>
</head>
<body>
    <h1>Number Check</h1>
    <p>Enter a number to check:</p>
    <input type="number" id="num" />
    <button
onclick="checkNumber(document.getElementById('num').value)">Check</butt
on>
</body>
</html>
```

### \*number.js

```
function checkNumber(num) {
    if (num > 0) {
        alert("The number is positive.");
    } else if (num < 0) {
        alert("The number is negative.");
    } else {
        alert("The number is zero.");
    }
}
```

## QSlip24

### a.php

```
<?php
// Define student details
$students = array(
    array("rollno" => 1, "name" => "John Doe", "address" => "123 Main St",
"college" => "ABC College", "course" => "Computer Science"),
    array("rollno" => 2, "name" => "Jane Smith", "address" => "456 Main St",
"college" => "DEF College", "course" => "Information Technology"),
    array("rollno" => 3, "name" => "Bob Johnson", "address" => "789 Main St",
"college" => "GHI College", "course" => "Business Administration"),
    array("rollno" => 4, "name" => "Sarah Lee", "address" => "101 Main St",
"college" => "JKL College", "course" => "Marketing"),
    array("rollno" => 5, "name" => "Tom Brown", "address" => "121 Main St",
"college" => "MNO College", "course" => "Computer Science")
);

// Create a SimpleXMLElement object
$xml = new SimpleXMLElement('<students></students>');

// Add student elements to the XML object
foreach ($students as $student) {
    $student_element = $xml->addChild('student');
    $student_element->addChild('rollno', $student['rollno']);
    $student_element->addChild('name', $student['name']);
    $student_element->addChild('address', $student['address']);
    $student_element->addChild('college', $student['college']);
    $student_element->addChild('course', $student['course']);
}

// Save the XML data to a file
$xml->asXML('student.xml');
echo "student.xml file created successfully.<br>";

// Prompt user to enter a course
if (isset($_POST['course'])) {
    $course = htmlspecialchars($_POST['course']);
    $xml = simplexml_load_file('student.xml');
    $filtered_students = $xml->xpath("//student[course='$course']");

    // Print table of matching students
    if (!empty($filtered_students)) {
```

```

        echo "<h2>Students enrolled in $course:</h2>";
        echo "<table border='1'>";
        echo "<tr><th>Roll
No</th><th>Name</th><th>Address</th><th>College</th><th>Course</th></tr>";
        foreach ($filtered_students as $student) {
            echo "<tr>";
            echo "<td>{$student->rollno}</td>";
            echo "<td>{$student->name}</td>";
            echo "<td>{$student->address}</td>";
            echo "<td>{$student->college}</td>";
            echo "<td>{$student->course}</td>";
            echo "</tr>";
        }
        echo "</table>";
    } else {
        echo "No students found for the course: $course";
    }
} else {
    // Display form to input course
    echo "<form method='post'>";
    echo "Enter course: <input type='text' name='course'>";
    echo "<input type='submit' value='Submit'>";
    echo "</form>";
}
?>

```

## QSlip25

a.php

```
<?php
// Create a SimpleXMLElement object
$xml = new SimpleXMLElement('<CricketTeam></CricketTeam>');

// Function to add a player entry to a team
function addPlayer($team, $playerName, $runs, $wickets) {
    $player = $team->addChild('player', $playerName);
    $player->addChild('runs', $runs);
    $player->addChild('wicket', $wickets);
}

// Add Team entries to the XML object
$australiaTeam = $xml->addChild('Team');
$australiaTeam->addAttribute('country', 'Australia');
addPlayer($australiaTeam, 'Player1', 100, 2);
addPlayer($australiaTeam, 'Player2', 80, 1);

$indiaTeam = $xml->addChild('Team');
$indiaTeam->addAttribute('country', 'India');
addPlayer($indiaTeam, 'Player3', 120, 3);
addPlayer($indiaTeam, 'Player4', 90, 2);

// Save the XML data to a file
$xml->asXML('cricket.xml');
echo "cricket.xml file created successfully.<br>";

// Load the cricket.xml file
$cricketXml = simplexml_load_file('cricket.xml');

// Add multiple elements for the country="India"
$indiaTeam = $cricketXml->xpath("//Team[@country='India']")[0];
addPlayer($indiaTeam, 'Player5', 110, 4);
addPlayer($indiaTeam, 'Player6', 85, 1);

// Save the modified XML data back to the file
$cricketXml->asXML('cricket.xml');
echo "Additional entries added for India in cricket.xml file.<br>";
?>
```

## QSlip26

### \*getemployeesdetails.php

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "your_database_name";

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

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$eno = $_GET['eno'];

$sql = "SELECT * FROM EMP WHERE eno = $eno";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    $employee = $result->fetch_assoc();
}
$conn->close();
header('Content-Type: application/json');
echo json_encode($employee);
?>
```

### \*getemployeesname.php

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "your_database_name";

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

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT eno, ename FROM EMP";
$result = $conn->query($sql);
```

```
$employees = array();
```

```
if ($result->num_rows > 0) {  
    while ($row = $result->fetch_assoc()) {  
        $employees[] = $row;  
    }  
}
```

```
$conn->close();  
header('Content-Type: application/json');  
echo json_encode($employees);  
?>  
*index.html
```

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Employee Details</title>  
    <script  
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>  
</head>  
<body>  
    <h2>Select an Employee:</h2>  
    <select id="employee-select">  
        <option value="">Select an employee</option>  
        <!-- Options will be populated dynamically -->  
    </select>  
    <div id="employee-details">  
        <!-- Employee details will be displayed here -->  
    </div>  
  
    <script>  
        $(document).ready(function() {  
            // Populate the select options with employee names  
            $.ajax({  
                url: 'get_employee_names.php',  
                dataType: 'json',  
                success: function(data) {  
                    var options = "";  
                    $.each(data, function(index, employee) {  
                        options += '<option value="' + employee.eno + '">' +  
employee.ename + '</option>';  
                    }  
                }  
            });  
        });  
    </script>  
</body>  
</html>
```

```

    });
    $('#employee-select').html(options);
  }
});

// Event listener for change in select option
$('#employee-select').change(function() {
  var selectedEmployee = $(this).val();
  if (selectedEmployee) {
    // AJAX request to get employee details based on selected eno
    $.ajax({
      url: 'get_employee_details.php',
      type: 'GET',
      data: { eno: selectedEmployee },
      dataType: 'json',
      success: function(data) {
        // Display employee details
        var details = 'Designation: ' + data.designation + '<br>';
        details += 'Salary: $' + data.salary.toFixed(2);
        $('#employee-details').html(details);
      },
      error: function() {
        $('#employee-details').html('Error retrieving employee
details.');
```

**\*sqlfile**

```

CREATE TABLE EMP (
  eno INT PRIMARY KEY,
  ename VARCHAR(255),
  designation VARCHAR(255),
  salary DECIMAL(10, 2)
);
```



```
INSERT INTO EMP (eno, ename, designation, salary) VALUES  
(1, 'John Doe', 'Manager', 50000),  
(2, 'Jane Smith', 'Developer', 60000),  
(3, 'Bob Johnson', 'Analyst', 55000);
```

## QSlip27

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Voter Details</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
  <h2>Voter Details</h2>
  <form id="voterForm">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required><br><br>
    <label for="age">Age:</label>
    <input type="number" id="age" name="age" required><br><br>
    <label for="nationality">Nationality:</label>
    <input type="text" id="nationality" name="nationality" required><br><br>
    <input type="submit" value="Submit">
  </form>
  <div id="response"></div>
  <script src="script.js"></script>
</body></html>
```

### \*script.js

```
$(document).ready(function() {
  $('#voterForm').submit(function(event) {
    event.preventDefault();
    var name = $('#name').val().toUpperCase();
    var age = $('#age').val();
    var nationality = $('#nationality').val();
    $.ajax({
      url: 'validate_voter.php',
      method: 'POST',
      data: { name: name, age: age, nationality: nationality },
      success: function(response) {
        $('#response').html(response);
      }
    });
  });
});
```

**\*validatevoter.php**

```
<?php
$name = $_POST['name'];
$age = $_POST['age'];
$nationality = $_POST['nationality'];

// Validate name
if (ctype_upper($name)) {
    // Validate age
    if ($age >= 18) {
        // Validate nationality
        if (strtolower($nationality) === 'indian') {
            echo 'Voter details validated successfully.';
        } else {
            echo 'Nationality should be Indian.';
        }
    } else {
        echo 'Age should be at least 18 years.';
    }
} else {
    echo 'Name should be in uppercase letters only.';
}
?>
```

## QSlip28

### Checklogin.php

```
<?php
// Connect to the database
$servername = "localhost";
$username = "your_username";
$password = "your_password";
$dbname = "your_database_name";
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Retrieve username and password from POST request
$username = $_POST['username'];
$password = $_POST['password'];

// SQL query to check if username and password are valid
$sql = "SELECT * FROM users WHERE username = '$username' AND
password = '$password'";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // Username and password are valid
    echo "Login successful!";
} else {
    // Username and password are invalid
    echo "Invalid username or password!";
}

// Close the database connection
$conn->close();
?>
```

### \*index.html

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

```

<title>Login</title>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
  <h2>Login</h2>
  <form id="loginForm">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username" required><br><br>
    <label for="password">Password:</label>
    <input type="password" id="password" name="password"
required><br><br>
    <input type="submit" value="Login">
  </form>
  <div id="response"></div>
  <script src="script.js"></script>
</body>
</html>

```

**\*script.js**

```

$(document).ready(function() {
  $('#loginForm').submit(function(event) {
    event.preventDefault();
    var username = $('#username').val();
    var password = $('#password').val();
    $.ajax({
      url: 'check_login.php',
      method: 'POST',
      data: { username: username, password: password },
      success: function(response) {
        $('#response').html(response);
      }
    });
  });
});

```

## QSlip29

### a.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Number Operations</title>
</head>
<body>
  <h2>Number Operations</h2>
  <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
    <label for="num">Enter a number:</label>
    <input type="number" name="num" id="num" required>
    <br><br>
    <label for="op">Select an operation:</label>
    <select name="op" id="op" required>
      <option value="">--Select--</option>
      <option value="fibonacci">Fibonacci Series</option>
      <option value="sum_of_digits">Sum of Digits</option>
    </select>
    <br><br>
    <input type="submit" value="Submit">
  </form>

  <?php
  // Function to generate Fibonacci series
  function fibonacci($num) {
    $first = 0;
    $second = 1;
    $result = "";
    for ($i = 0; $i < $num; $i++) {
      $result .= $first . " ";
      $third = $first + $second;
      $first = $second;
      $second = $third;
    }
    return $result;
  }

  // Function to find sum of digits
  function sumOfDigits($num) {
    $sum = 0;
```

```

while ($num > 0) {
    $digit = $num % 10;
    $sum += $digit;
    $num = (int)($num / 10);
}
return $sum;
}

// Process form submission
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $num = $_POST["num"];
    $op = $_POST["op"];
    switch ($op) {
        case "fibonacci":
            $result = fibonacci($num);
            echo "<p>The Fibonacci series of $num numbers is: $result</p>";
            break;
        case "sum_of_digits":
            $result = sumOfDigits($num);
            echo "<p>The sum of digits in $num is: $result</p>";
            break;
        default:
            echo "<p>Invalid operation selected</p>";
    }
}
?>
</body>
</html>

```

## QSlip30

### \*Bookstore.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Bookstore>
  <Yoga>
    <Book>
      <Book_Title>Light on Yoga</Book_Title>
      <Book_Author>B.K.S. Iyengar</Book_Author>
      <Book_Price>20.99</Book_Price>
    </Book>
    <Book>
      <Book_Title>The Yoga Bible</Book_Title>
      <Book_Author>Chris 琰 椀 na Brown</Book_Author>
      <Book_Price>15.50</Book_Price>
    </Book>
  </Yoga>
  <Story>
    <Book>
      <Book_Title>The Alchemist</Book_Title>
      <Book_Author>Paulo Coelho</Book_Author>
      <Book_Price>12.99</Book_Price>
    </Book>
    <Book>
      <Book_Title>The Da Vinci Code</Book_Title>
      <Book_Author>Dan Brown</Book_Author>
      <Book_Price>14.75</Book_Price>
    </Book>
  </Story>
  <Technical>
    <Book>
      <Book_Title>Python for Data Science Handbook</Book_Title>
      <Book_Author>Jake VanderPlas</Book_Author>
      <Book_Price>28.99</Book_Price>
    </Book>
    <Book>
      <Book_Title>Cracking the Coding Interview</Book_Title>
      <Book_Author>Gayle Laakmann McDowell</Book_Author>
      <Book_Price>23.50</Book_Price>
    </Book>
  </Technical>
</Bookstore>
```