Slip 1:

```php
<?php
if(!isset($_COOKIE['count']))
{
    echo"Wlcome to viwed this page";
    $cookie=0;
    setcookie("count",$cookie);
}
else{
    $cookie=++$_COOKIE['count'];
    setcookie("count",$cookie);
    echo'<h3>You have visited this page
'.$_COOKIE['count']."Times";
}
?>
```

Or

```php
<?php
session_start();

if(isset($_SESSION['count']))
{
  $_SESSION['count'] = $_SESSION['count']+1;
}
else
{
  $_SESSION['count'] = 1;
}
echo'<h3>You have visited this page
'.$_SESSION['count']."Times";
?>
```

Slip 2:

S2.php

```php
<?php
// Start the session
session_start();

// Function to set a preference cookie
function setPreferenceCookie($name, $value) {
```

```php
        setcookie($name, $value, time() + 3600 * 24 * 30); //
Cookie expires in 30 days
}

// Check if the form is submitted
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    // Get preferences from the form
    $fontStyle = isset($_POST['font_style']) ?
$_POST['font_style'] : '';
    $fontSize = isset($_POST['font_size']) ?
$_POST['font_size'] : '';
    $fontColor = isset($_POST['font_color']) ?
$_POST['font_color'] : '';
    $bgColor = isset($_POST['bg_color']) ?
$_POST['bg_color'] : '';

    // Set preference cookies
    setPreferenceCookie('font_style', $fontStyle);
    setPreferenceCookie('font_size', $fontSize);
    setPreferenceCookie('font_color', $fontColor);
    setPreferenceCookie('bg_color', $bgColor);

    // Redirect to the next page
    header('Location: s2_2.php');
    exit();
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Change Preferences</title>
</head>
<body>
    <h1>Change Preferences</h1>
    <form method="post" action="">
        <label for="font_style">Font Style:</label>
        <select name="font_style" id="font_style">
            <option value="Arial">Arial</option>
```

```html
            <option value="Verdana">Verdana</option>
            <option value="Times New Roman">Times New
Roman</option>

        </select><br>

        <label for="font_size">Font Size:</label>
        <select name="font_size" id="font_size">
            <option value="small">Small</option>
            <option value="medium">Medium</option>
            <option value="large">Large</option>
        </select><br>

        <label for="font_color">Font Color:</label>
        <input type="color" name="font_color"
id="font_color"><br>

        <label for="bg_color">Background Color:</label>
        <input type="color" name="bg_color"
id="bg_color"><br>

        <input type="submit" value="Save Preferences">
    </form>
</body>
</html>
```

S2_2.php

```php
<?php
// Start the session
session_start();
?>

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

```php
    <h1>Display Preferences</h1>

    <?php
    // Display preferences from cookies
    $fontStyle = isset($_COOKIE['font_style']) ?
$_COOKIE['font_style'] : 'Arial';
    $fontSize = isset($_COOKIE['font_size']) ?
$_COOKIE['font_size'] : 'medium';
    $fontColor = isset($_COOKIE['font_color']) ?
$_COOKIE['font_color'] : '#000000';
    $bgColor = isset($_COOKIE['bg_color']) ?
$_COOKIE['bg_color'] : '#ffffff';

    echo "<p>Font Style: $fontStyle</p>";
    echo "<p>Font Size: $fontSize</p>";
    echo "<p>Font Color: <span
style='color:$fontColor;'>$fontColor</span></p>";
    echo "<p>Background Color: <span style='background-
color:$bgColor;color:#ffffff;'>$bgColor</span></p>";
    ?>

    <p><a href="s2_3.php">Go to Implementation
Page</a></p>
</body>
</html>
```

S2_3.php

```php
<?php
// Start the session
session_start();
?>

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

```php
        <h1>Implement Preferences</h1>

        <?php
        // Implement preferences from cookies
        $fontStyle = isset($_COOKIE['font_style']) ?
    $_COOKIE['font_style'] : 'Arial';
        $fontSize = isset($_COOKIE['font_size']) ?
    $_COOKIE['font_size'] : 'medium';
        $fontColor = isset($_COOKIE['font_color']) ?
    $_COOKIE['font_color'] : '#000000';
        $bgColor = isset($_COOKIE['bg_color']) ?
    $_COOKIE['bg_color'] : '#ffffff';

        echo "<p style='font-family:$fontStyle; font-
    size:$fontSize; color:$fontColor; background-
    color:$bgColor;'>";
        echo "This is an example of implementing user
    preferences on a web page.";
        echo "</p>";
        ?>
    </body>
    </html>
```

Slip 4:

S4.html

```html
    <!DOCTYPE html>
    <html>
        <form method="POST" action="s4_1.php">
            Enter emp no:<input type="text" name="no"><br>
            Enter emp name:<input type="text" name="name"><br>
            Enter emp add:<input type="text" name="addr"><br>
            <input type="submit" value="ok">
        </form>
    </html>
```

S4_1.php

```php
    <?php
    setcookie('no',$_POST['no']);

    setcookie('name',$_POST['name']);

    setcookie('addr',$_POST['addr']);
```

```
?>
<html>
    <form action="s4_2.php" method="POST"><br>
    Enter earnings:<br><br>
    basic :<input type="text" name="basic" size=3><br>
    basic HRA:<input type="text" name="HRA" size=3><br>
    basic DA:<input type="text" name="DA"size=3><br>
    <input type="submit" value="Display Info">
    </form>
</html>
```

S4_2.php

```php
<?php

echo"<h2>Employee Info</h2><br>No:".$_COOKIE["no"];
echo"<br>Name:".$_COOKIE["name"];
echo"<br>Addr:".$_COOKIE["addr"];
echo"<br><h2>Earning details</h2>";
echo"<table
border=1><tr><th>Details</th><th>Values</th></tr>";
echo"<tr><td>Basic</td><td>".$_POST["basic"]."</td></tr>";
echo"<tr><td>HRA</td><td>".$_POST["HRA"]."</td></tr>";
echo"<tr><td>DA</td><td>".$_POST["DA"]."</td></tr></table>
";
echo"<br><br>";
$total=$_POST["basic"]+$_POST["HRA"]+$_POST["DA"];
echo"<br>Total:".$total;
?>
```

Slip 5

S5.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<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>
```

Slip 6:

```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>";
Echo "<br>";

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

Slip 7:

```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>";
}
?>
```

Slip 8:

```php
<?php
echo "<script>alert('Exams are near, have you started
preparing for?');

let num1 = parseInt(prompt('Enter first number: '));
let num2 = parseInt(prompt('Enter second number: '));
</script>";

// js code for addition
echo "<script>
if (!isNaN(num1) && !isNaN(num2)) {
    let confirmResult = confirm( 'Are you sure you want to
add ' + num1 + ' and ' + num2 + '?');
    if (confirmResult) {
        let sum = num1 + num2;
        alert('The sum of ' + num1 + ' and ' + num2 + ' is '
+ sum + '.');
```

```
    } else {
      alert('Operation cancelled.');
    }
  } else {
    alert('Invalid input. Please enter valid numbers.');
  }
  </script>";
?>
```

Slip 9:

```html
<!DOCTYPE html>
<html>
    <head></head>
    <body>
        <form id="membershipForm" onsubmit="return
validateform()">
        <label for="user">Username:</label>
        <input type="text" id="user" name="user"><br>
        <label for="pass">Password:</label>
        <input type="text" id="pass" name="pass"><br>
        <input type="submit" value="submit">
        </form>
        <script>
        function validateform()
        {
                var
user=document.getElementById('user').value;
                var
pass=document.getElementById('pass').value;

            if(user.length<5)
            {
                alert('username must be at least 5
characters');
                return false;
            }
            if(pass.length<8)
            {
                alert('password must be at least 8
character');
```

```
                    return false;
                }
                if(!/[A-Z]/.test(pass)||!/[a-
z]/.test(pass)||!/[!@#$%^&*()_+{}\[\]:;<>,.?~/-
]/.test(pass)||!/\d/.test(pass))
                {
                    alert("pass must meeet the criteria");
                    return false;
                }
                alert('valid user & pass.form submitted
Succesfully');
                return true;
            }
        </script>
    </body>
</html>
```

Slip 10:

```
<!DOCTYPE html>
<html>
<head>
    <title>Insert text before and after paragraph using
jQuery</title>
    <script src=jquery_3.7.1.min.js></script>
</head>
<body>
    <h1>Insert text before and after paragraph using
jQuery</h1>

    <p>This is a paragraph.</p>

    <script>
        $(document).ready(function() {
            $("p").before("Text inserted before the
paragraph. ");
            $("p").after(" Text inserted after the
paragraph.");
        });
    </script>
</body>
</html>
```

Slip 13:

S13.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
<title>Greeting</title>
</head>
<body>
    <label for="name">Enter your name:</label>
    <input type="text" id="name" onkeyup="getGreeting()">
    <div id="response"></div>

    <script>
        function getGreeting() {
            var name =
document.getElementById("name").value.trim();
            var xhttp = new XMLHttpRequest();
            xhttp.onreadystatechange = function() {
                if (this.readyState == 4 && this.status ==
200) {

document.getElementById("response").innerHTML =
this.responseText;
                }
            };
            xhttp.open("GET", "s13.php?name=" +
encodeURIComponent(name), true);
            xhttp.send();
        }
    </script>
</body>
</html>
```

S13.php

```php
<?php
    $name = $_GET['name'] ?? '';
    if ($name == '') {
```

```php
        echo "Stranger, please tell me your name!";
    } else if (in_array($name, ['Rohit', 'Virat', 'Dhoni',
'Ashwin', 'Harbhajan'])) {
        echo "Hello, master $name!";
    } else {
        echo "$name, I don't know you!";
    }
?>
```

Slip 14:

S14.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Teacher Details</title>
    <script src=jquery_3.7.1.min.js></script>
</head>
<body>
    <select id="teacher-list">
        <option value="">--Select Teacher--</option>
        <option value="ALT">ALT</option>
        <option value="Jane Smith">Jane Smith</option>
        <option value="BNM">BNM</option>
    </select>
    <button id="submit-btn">Get Details</button>
    <div id="details"></div>

    <script>
        $(document).ready(function() {
            $('#submit-btn').click(function() {
                var tname = $('#teacher-list').val();
                if (tname == '') {
                    Alert('Please select a teacher.');
                    Return;
                }
                $.ajax({
                    url: 's14_2.php',
                    method: 'POST',
                    data: {tname: tname},
                    success: function(response) {
```

```
                    $('#details').html(response);
                },
                Error: function(xhr, status, error) {
                    Console.log(xhr.responseText);
                }
            });
        });
    });
    </script>
</body>
</html>
```

S14.php

```php
<?php
// Connect to database
$conn = pg_connect("host=localhost port=5432
dbname=student user=postgres password=");

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

// Retrieve selected teacher details
if (isset($_POST['tname'])) {
    $tname = $_POST['tname'];
    $sql = "SELECT * FROM TEACHER WHERE tname = '$tname'";
    $result = pg_query($conn, $sql);
    echo"<table
border=2><tr><th>Tno</th><th>Tname</th><th>Qualification</
th><th>Salary</th></tr>";
    if (pg_num_rows($result) > 0) {
        while($row = pg_fetch_assoc($result)){
            echo"<tr><td>".$row['tno']."</td><td>";
            echo $row['tname'] ."</td><td>" ;
            echo  $row['qualification']." </td>" ;
            echo "<td>".$row['salary'] ."</td></tr>";
        }
        echo"</table>";
    } else {
        echo "No data found.";
```

```php
        }
    }

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

Slip 16:

S16.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Book Details</title>
<script src="jquery_3.7.1.min.js"></script>
</head>
<body>

<select id="bookSelect">
  <option value="">Select Book</option>
  <!-- Options will be populated dynamically using Ajax --
>
</select>

<div id="bookDetails"></div>

<script>
$(document).ready(function(){
    // Load books into select dropdown
    $.ajax({
        url: 's16_1.php',
        method: 'GET',
        success: function(data) {
            $('#bookSelect').html(data);
        }
    });

    // On change of book selection, load book details
    $('#bookSelect').change(function(){
        var selectedBook = $(this).val();
```

```javascript
            $.ajax({
                url: 's16_2.php',
                method: 'POST',
                data: { book: selectedBook },
                success: function(data) {
                    $('#bookDetails').html(data);
                }
            });
        });
    });
    </script>

    </body>
    </html>
```

S16_1.php

```php
    <?php
    // Load XML file
    $xml = simplexml_load_file('books.xml');

    $options = "<option value=''>Select Book</option>";
    foreach ($xml->book as $book) {
        $options .= "<option value='".htmlspecialchars($book-
    >title)."'>".htmlspecialchars($book->title)."</option>";
    }

    echo $options;
    ?>
```

S16_2.php

```php
    <?php
    // Load XML file
    $xml = simplexml_load_file('books.xml');

    // Get selected book from POST request
    $selectedBook = $_POST['book'];

    // Find the selected book in XML
    $bookDetails = "";
    foreach ($xml->book as $book) {
        if ($book->title == $selectedBook) {
```

```php
        $bookDetails .= "<p>Title:
".htmlspecialchars($book->title)."</p>";
        $bookDetails .= "<p>Author:
".htmlspecialchars($book->author)."</p>";
        $bookDetails .= "<p>Year:
".htmlspecialchars($book->year)."</p>";
        $bookDetails .= "<p>Price:
$".htmlspecialchars($book->price)."</p>";
        break; // Once found, break the loop
    }
}

echo $bookDetails;
?>
```

Slip 17:

```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>
```

```html
        <input type="submit" value="Submit">
    <!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>
  </form>
```

Slip 18:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Fibonacci Numbers</title>
    <script>
        function generateFibonacci() {
            // Get the input value from the user
```

```javascript
            var input =
document.getElementById("inputNumber").value;
            var output =
document.getElementById("output");

            // Convert the input to a number
            var n = parseInt(input);

            // Create an array to store the Fibonacci
sequence
            var fib = [];
            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" name
="inputNumber">
    <button onclick="generateFibonacci()">Generate
Fibonacci</button>
    <p id="output"></p>
</body>
</html>
```

Slip 19:
```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>
```

Slip 20:
S20.xml
```
<?xml version="1.0"?>
<students>
  <student>
    <name>John Doe</name>
    <age>21</age>
    <gender>Male</gender>
    <major>Computer Science</major>
    <gpa>3.8</gpa>
```

```xml
    </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>
```

Slip 24:
S24.html
```html
<!DOCTYPE html>
<html>
    <head>
        <title>Student details</title>
    </head>
    <body>
        <form method="post" action="s24.php">
            Enter course name:
```

```html
            <input type="text" name="course">
            <br>
            <input type="submit" name='btn'
value="Submit">
        </form>
    </body>
</html>
```

S24.php
```php
<?php
// Define student details
$str =<<<XML
<?xml version="1.0" encoding="UTF-8"?>
<StudInfo>
<Student>
    <rollno>1</rollno>
    <studname>John Deo</studname>
    <addr>Pune</addr>
    <college>D.Y.Patil College</college>
    <course>BSC C.S</course>
</Student>
<Student>
    <rollno>2</rollno>
    <studname>Alex</studname>
    <addr>Nashik</addr>
    <college>K.T.H.M.College</college>
    <course>BCom</course>
</Student>
<Student>
    <rollno>3</rollno>
    <studname>Ana</studname>
    <addr>Pune</addr>
    <college>Symboisis College</college>
    <course>BCom</course>
</Student>
<Student>
    <rollno>4</rollno>
    <studname>Dev</studname>
    <addr>Mumbai</addr>
    <college>C.A.College</college>
    <course>C.A.</course>
</Student>
```

```php
<Student>
    <rollno>5</rollno>
    <studname>Jonny</studname>
    <addr>Dhule</addr>
    <college>S.V.K.M.College</college>
    <course>Engineering</course>
</Student>
</StudInfo>
XML;
$fname="student.xml";
$fp = fopen($fname,"w");
fwrite($fp, $str);
fclose($fp);
echo "created filename is:".$fname;
if(isset($_POST['btn']))
{
// Get course input from user
$course = $_POST['course'];

// Load the XML file
$xml = simplexml_load_file('student.xml');


// Print table of matching students
echo "<table border='1'>";
echo "<tr><th>Roll
No</th><th>Name</th><th>Address</th><th>College</th><th>Co
urse</th></tr>";
foreach ($xml->Student as $student) {
    if($student->course==$course)
    {
        echo "<tr>";
        echo "<td>$student->rollno</td>";
        echo "<td>$student->studname</td>";
        echo "<td>$student->addr</td>";
        echo "<td>$student->college</td>";
        echo "<td>$student->course</td>";
        echo "</tr>";
    }
}
echo "</table>";
}
```

```php
?>
```

Slip 25:

```php
<?php
// Create a new DOM document
$doc = new DOMDocument();

// Create the root element
$cricketTeam = $doc->createElement("CricketTeam");

// Create the first team element for Australia
$teamAustralia = $doc->createElement("Team");
$teamAustralia->setAttribute("country", "Australia");

// Create the player element and set its value
$player1 = $doc->createElement("player", "Steve Smith");
$teamAustralia->appendChild($player1);

// Create the runs element and set its value
$runs1 = $doc->createElement("runs", "7090");
$teamAustralia->appendChild($runs1);

// Create the wicket element and set its value
$wicket1 = $doc->createElement("wicket", "17");
$teamAustralia->appendChild($wicket1);

// Append the team element to the root element
$cricketTeam->appendChild($teamAustralia);

// Create the second team element for India
$teamIndia = $doc->createElement("Team");
$teamIndia->setAttribute("country", "India");

// Create the player element and set its value
$player2 = $doc->createElement("player", "Virat Kohli");
$teamIndia->appendChild($player2);

// Create the runs element and set its value
$runs2 = $doc->createElement("runs", "12169");
$teamIndia->appendChild($runs2);

// Create the wicket element and set its value
$wicket2 = $doc->createElement("wicket", "4");
```

```php
$teamIndia->appendChild($wicket2);

// Create the category element and set its value
$category = $doc->createElement("category", "Captain");
$teamIndia->appendChild($category);

// Append the team element to the root element
$cricketTeam->appendChild($teamIndia);

// Append the root element to the document
$doc->appendChild($cricketTeam);

// Save the XML file
$doc->save("cricket.xml");

Echo "Elements added successfully!";
?>
```

Slip 26:

S26.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Employee Details</title>
    <script>
        function getEmployeeDetails() {
            var ename =
document.getElementById("ename").value;
            var xhttp = new XMLHttpRequest();
            xhttp.onreadystatechange = function() {
                if (this.readyState == 4 && this.status ==
200) {

document.getElementById("employeeDetails").innerHTML =
this.responseText;
                }
            };
            xhttp.open("GET", "s26.php?ename=" + ename,
true);

            xhttp.send();
        }
    </script>
</head>
```

```html
<body>
    <h2>Employee Details</h2>
    <label for="ename">Select Employee Name:</label>
    <select id="ename">
        <!-- Populate this dropdown with employee names
from your database -->
        <option value="John Doe">John Doe</option>
        <option value="Jane Smith">Jane Smith</option>
        <option value="Michael Johnson">Michael
Johnson</option>
        <option value="Emily Brown">Emily Brown</option>
        <option value="David Wilson">David Wilson</option>
        <!-- Add more options as needed -->
    </select>
    <button onclick="getEmployeeDetails()">Get
Details</button>
    <div id="employeeDetails"></div>
</body>
</html>
```

S26.php

```php
<?php
$host = "host=127.0.0.1";
$port = "port=5432";
$dbname = "dbname=postgres";
$user = "user=postgres";
$password = "password=shubham@123";

$conn = pg_connect("$host $port $user $password");

if (!$conn) {
    die("Connection failed: " . pg_last_error());
}

$ename = pg_escape_string($_GET['ename']);

$sql = "SELECT * FROM emp WHERE ename = '$ename'";
$result = pg_query($conn, $sql);

if ($result) {
    if (pg_num_rows($result) > 0) {
```

```php
        $row = pg_fetch_assoc($result);
        echo "Employee Number: " . $row["eno"] . "<br>";
        echo "Employee Name: " . $row["ename"] . "<br>";
        echo "Designation: " . $row["designation"] .
"<br>";
        echo "Salary: " . $row["salary"] . "<br>";
    } else {
        echo "No employee found with the name " . $ename;
    }
    pg_free_result($result);
} else {
    echo "Error executing query: " . pg_last_error($conn);
}

pg_close($conn);
?>



/*CREATE TABLE employee (
    eno SERIAL PRIMARY KEY,
    ename VARCHAR(100),
    designation VARCHAR(100),
    salary DECIMAL(10, 2)
);*/
?>
```

Slip 27:

S27.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Voter Details</title>
    <script src="jquery_3.7.1.min.js"></script>
    <script src="script_27.js"></script>
</head>
<body>
    <h2>Enter Voter Details</h2>
    <form id="voterForm" action="submit.php"
method="post">
```

```html
        <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="message"></div>
</body>
</html>
```

S27.php
```php
<?php
$name = $_POST['name'];
$age = $_POST['age'];
$nationality = $_POST['nationality'];

// Server-side validation
if ($name !== strtoupper($name)) {
    echo "Name should be in uppercase letters only.";
} elseif ($age < 18) {
    echo "Age should not be less than 18 years.";
} elseif (strtolower($nationality) !== 'indian') {
    echo "Nationality should be Indian.";
}
    else {
    echo 'Validation successful. Voter details: <br>Name:
'.$name.'<br>Age: '.$age.'<br>Nationality: '.$nationality;
}

?>
```

Slip 29:
```html
<!DOCTYPE html>
```

```php
<html>
<head>
    <title>Number Operations</title>
</head>
<body>
    <h1>Number Operations</h1>
    <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="fib">Fibonacci Series</option>
            <option value="sum">Sum of Digits</option>
        </select>
        <br><br>
        <input type="submit" value="Submit">
    </form>
    <?php

    $num = $op = "";

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $num = $_POST["num"];
        $op = $_POST["op"];
        Switch ($op) {
            case "fib":
                $result = fibonacci($num);
                echo "<p>The Fibonacci series of $num
numbers is: $result</p>";
                Break;
            case "sum":
                $result = sumOfDigits($num);
                echo "<p>The sum of digits in $num is:
$result</p>";
                Break;
            default:
                echo "<p>Invalid operation selected</p>";
        }
    }
```

```php
        function fibonacci($num) {
                $fib =$num;
                $fib[0] = 0;
                $fib[1] = 1;
                for ($i = 2; $i <$num; $i++) {
                        $fib[$i] = $fib[$i-1] + $fib[$i-2];

        }

        return $fib;
    }


    function sumOfDigits($num) {
        $sum = 0;

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

        return $sum;
    }
    ?>
</body>
</html>
```

Slip 30:
S30.xml

```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>Christina Brown</Book_Author>
      <Book_Price>15.50</Book_Price>
    </Book>
  </Yoga>
```

```xml
    <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>
```