

//Slip 1,4,20

PHP script to read the book.xml file using SimpleXML and display its attributes and elements.

Step 1: Create book.xml file

```
<?xml version="1.0" encoding="UTF-8"?>
<books>
  <book id="1">
    <title>The Great Gatsby</title>
    <author>F. Scott Fitzgerald</author>
    <price>10.99</price>
  </book>
  <book id="2">
    <title>To Kill a Mockingbird</title>
    <author>Harper Lee</author>
    <price>12.50</price>
  </book>
  <book id="3">
    <title>1984</title>
    <author>George Orwell</author>
    <price>15.00</price>
  </book>
</books>
```

Step 2: Create read_books.php to Read & Display XML Data

```
<?php
// Load the XML file
$xml = simplexml_load_file("book.xml") or die("Error: Cannot load XML file.");

// Loop through each book element
foreach ($xml->book as $book) {
  echo "<b>Book ID:</b> " . $book['id'] . "<br>";
  echo "<b>Title:</b> " . $book->title . "<br>";
  echo "<b>Author:</b> " . $book->author . "<br>";
  echo "<b>Price:</b> $" . $book->price . "<br><br>";
}
?>
```

// Slip 2 ,5,10

Write a javascript to display message 'Exams are near, have you started preparing for?' using alert, prompt and confirm boxes. Accept proper input from user and display messages accordingly.

<!DOCTYPE html>

```

<html>
<head>
  <title>Exam Preparation Alert</title>
</head>
<body>
  <script>
    // Show an alert message
    alert("Exams are near, have you started preparing for them?");

    // Prompt the user for input
    var response = prompt("Have you started preparing? (yes/no)");

    // Validate user response and show confirm box
    if (response !== null) { // Check if user didn't cancel the prompt
      response = response.toLowerCase();

      if (response === "yes") {
        confirm("Great! Keep up the good work. Would you like to take a break?");
      } else if (response === "no") {
        confirm("You should start soon! Would you like some study tips?");
      } else {
        alert("Please enter a valid response (yes/no).");
      }
    }
  </script>
</body>
</html>

```

//Slip 3 ,8,13,16,18

Write a javascript function to validate username and password for a membership form.

```

<!DOCTYPE html>
<html>
<head>
  <title>Membership Form Validation</title>
  <script>
    function validateForm() {
      var username = document.getElementById("username").value;
      var password = document.getElementById("password").value;
      var usernamePattern = /^[a-zA-Z0-9]{5,}$/; // At least 5 characters
      var passwordPattern = /^(?=.*[0-9])(?=.*[!@#$%^&*])[A-Za-z0-9!@#$%^&]{8,}$/; //
      At least 8 chars, 1 number, 1 special char

      if (!usernamePattern.test(username)) {
        alert("Username must be at least 5 characters long (letters/numbers only).");
        return false;
      }
    }
  </script>
</head>
</html>

```

```

        if (!passwordPattern.test(password)) {
            alert("Password must be at least 8 characters long, contain at least 1 number, and
1 special character.");
            return false;
        }

        alert("Form submitted successfully!");
        return true;
    }
</script>
</head>
<body>
    <h2>Membership Form</h2>
    <form onsubmit="return validateForm()">
        <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="Submit">
    </form>
</body>
</html>

```

// Slip 6,9,14

Write AJAX program to read contact.dat file and print the contents of the file in a tabular format when the user clicks on print button. Contact.dat file should contain srno, name, residence number, mobile number, Address. [Enter at least 3 record in contact.dat file]

Contact.dat:-1,John Doe,0123456789,9876543210,New York
2,Jane Smith,0112233445,9871234567,Los Angeles
3,Mark Taylor,0223344556,9823456789,Chicago

Html

```

<!DOCTYPE html>
<html>
<head>
    <title>AJAX Contact List</title>
    <script>
        function loadContacts() {
            var xhttp = new XMLHttpRequest();
            xhttp.onreadystatechange = function() {
                if (this.readyState == 4 && this.status == 200) {
                    var lines = this.responseText.split("\n");

```

```

        var table = "<table border='1'><tr><th>Sr.
No</th><th>Name</th><th>Residence No.</th><th>Mobile No.</th><th>Address</th></tr>";

        for (var i = 0; i < lines.length; i++) {
            var details = lines[i].split(",");
            if (details.length === 5) {
                table += "<tr><td>" + details[0] + "</td><td>" + details[1] + "</td><td>" +
                details[2] + "</td><td>" + details[3] + "</td><td>" + details[4] + "</td></tr>";
            }
        }
        table += "</table>";
        document.getElementById("contactTable").innerHTML = table;
    }
};
xhttp.open("GET", "contact.dat", true);
xhttp.send();
}
</script>
</head>
<body>
    <h2>Contact List</h2>
    <button onclick="loadContacts()">Print Contacts</button>
    <br><br>
    <div id="contactTable"></div>
</body>
</html>

```

Slip 7 , 11, 15

Write AJAX program where the user is requested to write his or her name in a text box, and the server keeps sending back responses while the user is typing. If the user name is not entered then the message displayed will be, "Stranger, please tell me your name!". If the name is Rohit, Virat, Dhoni, Ashwin or Harbhajan , the server responds with "Hello, master <user name>!". If the name is anything else, the message will be "<user name>, I don't know you!".

Html

```

<!DOCTYPE html>
<html>
<head>
    <title>AJAX Name Response</title>
    <script>
        function checkName() {
            var name = document.getElementById("username").value;
            var xhttp = new XMLHttpRequest();

            xhttp.onreadystatechange = function() {
                if (this.readyState == 4 && this.status == 200) {
                    document.getElementById("response").innerHTML = this.responseText;
                }
            };
            xhttp.open("GET", "checkName.php", true);
            xhttp.send();
        }
    </script>

```

```

    }
};

    xhttp.open("GET", "server.php?name=" + name, true);
    xhttp.send();
}
</script>
</head>
<body>
    <h2>Type Your Name:</h2>
    <input type="text" id="username" onkeyup="checkName()" placeholder="Enter your
name">
    <p id="response">Stranger, please tell me your name!</p>
</body>
</html>

```

Php

```

<?php
if (isset($_GET['name'])) {
    $name = trim($_GET['name']); // Get the input name and trim spaces
    $masters = ["Rohit", "Virat", "Dhoni", "Ashwin", "Harbhajan"];

    if ($name == "") {
        echo "Stranger, please tell me your name!";
    } elseif (in_array($name, $masters)) {
        echo "Hello, master $name!";
    } else {
        echo "$name, I don't know you!";
    }
}
?>

```

//Slip 12,17,19

Create TEACHER table as follows TEACHER(tno, tname, qualification, salary).

Write Ajax program to select a teachers name and print the selected teachers details.

Html

```

<!DOCTYPE html>
<html>
<head>
    <title>Teacher Details</title>
    <script>
        function fetchTeacherDetails() {
            var teacherName = document.getElementById("teacher").value;
            var xhttp = new XMLHttpRequest();

            xhttp.onreadystatechange = function() {
                if (this.readyState == 4 && this.status == 200) {
                    document.getElementById("details").innerHTML = this.responseText;
                }
            };
            xhttp.open("GET", "server.php?name=" + teacherName, true);
            xhttp.send();
        }
    </script>

```

```

        }
    };

    xhttp.open("GET", "server.php?tname=" + teacherName, true);
    xhttp.send();
}
</script>
</head>
<body>
    <h2>Select a Teacher:</h2>
    <select id="teacher" onchange="fetchTeacherDetails()">
        <option value="">--Select Teacher--</option>
        <option value="Dr. Sharma">Dr. Sharma</option>
        <option value="Ms. Mehta">Ms. Mehta</option>
        <option value="Mr. Patel">Mr. Patel</option>
    </select>

    <h3>Teacher Details:</h3>
    <div id="details"></div>
</body>
</html>

```

Server.php

```

<?php
// Hardcoded teacher data (instead of SQL)
$teachers = [
    "Dr. Sharma" => ["tno" => 1, "tname" => "Dr. Sharma", "qualification" => "PhD", "salary"
=> "75000"],
    "Ms. Mehta" => ["tno" => 2, "tname" => "Ms. Mehta", "qualification" => "MSc", "salary" =>
"60000"],
    "Mr. Patel" => ["tno" => 3, "tname" => "Mr. Patel", "qualification" => "MCA", "salary" =>
"55000"]
];

// Get teacher name from AJAX request
if (isset($_GET['tname'])) {
    $tname = $_GET['tname'];

    if (array_key_exists($tname, $teachers)) {
        $teacher = $teachers[$tname];
        echo "<p><b>Teacher No:</b> " . $teacher["tno"] . "</p>";
        echo "<p><b>Name:</b> " . $teacher["tname"] . "</p>";
        echo "<p><b>Qualification:</b> " . $teacher["qualification"] . "</p>";
        echo "<p><b>Salary:</b> ₹" . $teacher["salary"] . "</p>";
    } else {
        echo "No details found.";
    }
}
}

```

?>