Experiment 6

Aim: Create HTML Page that contains form with fields Name, Email, Mobile No, Gender , Favourite Colour and a button now write a JavaScript code to combine and display the information in textbox when the button is clicked and implement validation.

===
index.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <title>User Information Form</title>

 <link rel="stylesheet" href="styles.css">

</head>

<body>

 <div class="container">

  <h2>User Information Form</h2>

  <form id="userForm">

   <div class="form-group">

    <label for="name">Name:</label>

    <input type="text" id="name" name="name" required>

   </div>

   <div class="form-group">

    <label for="email">Email:</label>

    <input type="email" id="email" name="email" required>

   </div>

   <div class="form-group">

    <label for="mobile">Mobile No:</label>

    <input type="tel" id="mobile" name="mobile" pattern="[0-9]{10}" required>

   </div>
```

```html
    <div class="form-group">
      <label for="gender">Gender:</label>
      <select id="gender" name="gender" required>
        <option value="">Select Gender</option>
        <option value="male">Male</option>
        <option value="female">Female</option>
        <option value="other">Other</option>
      </select>
    </div>
    <div class="form-group">
      <label for="color">Favourite Colour:</label>
      <input type="color" id="color" name="color" required>
    </div>
    <button type="button" onclick="combineInfo()">Submit</button>
  </form>
  <div id="displayInfo"></div>
 </div>
 <script src="script.js"></script>
</body>
</html>
```
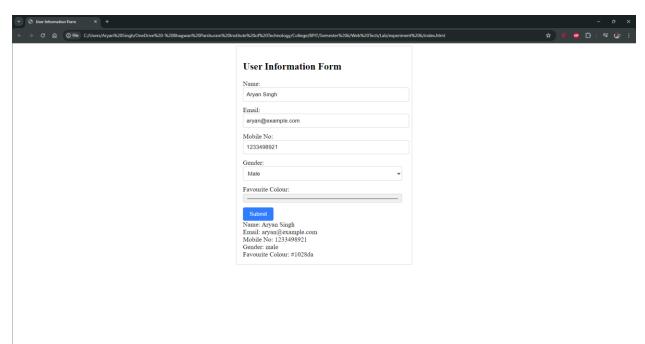
==
script.js

```javascript
function combineInfo() {
  var name = document.getElementById('name').value;
  var email = document.getElementById('email').value;
  var mobile = document.getElementById('mobile').value;
  var gender = document.getElementById('gender').value;
  var color = document.getElementById('color').value;
```

```javascript
var displayInfo = document.getElementById('displayInfo');

// Validation
if (name === '' || email === '' || mobile === '' || gender === '' || color === '') {
  alert('Please fill in all fields.');
  return;
}

// Email validation
var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
if (!emailRegex.test(email)) {
  alert('Please enter a valid email address.');
  return;
}

// Mobile number validation
var mobileRegex = /^[0-9]{10}$/;
if (!mobileRegex.test(mobile)) {
  alert('Please enter a valid 10-digit mobile number.');
  return;
}

// Combine and display information
var combinedInfo = "Name: " + name + "<br>" +
        "Email: " + email + "<br>" +
        "Mobile No: " + mobile + "<br>" +
        "Gender: " + gender + "<br>" +
        "Favourite Colour: " + color;
displayInfo.innerHTML = combinedInfo;
```

```
  }
========================================================================
styles.css
.container {
    max-width: 500px;
    margin: 0 auto;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
  }

  .form-group {
    margin-bottom: 15px;
    margin-right: 10px;
  }

  label {
    display: block;
  }

  input[type="text"],
  input[type="email"],
  input[type="tel"],
  select,
  input[type="color"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
```

```
}

button {

  padding: 10px 20px;

  background-color: #007bff;

  color: #fff;

  border: none;

  border-radius: 5px;

  cursor: pointer;

}


button:hover {

  background-color: #0056b3;

}
```
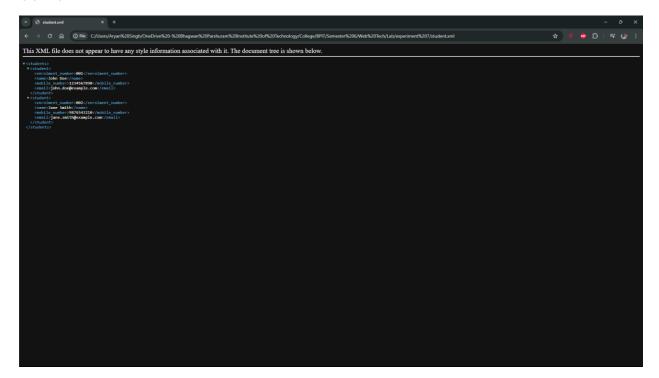
===
OUTPUT

Experiment 7

Aim: Create XML file to store student information like Enrolment Number, Name Mobile Number , Email Id.

==

student.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<students>
  <student>
    <enrolment_number>001</enrolment_number>
    <name>John Doe</name>
    <mobile_number>1234567890</mobile_number>
    <email>john.doe@example.com</email>
  </student>
  <student>
    <enrolment_number>002</enrolment_number>
    <name>Jane Smith</name>
    <mobile_number>9876543210</mobile_number>
    <email>jane.smith@example.com</email>
  </student>
</students>
```

==

OUTPUT

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```xml
<students>
  <student>
    <enrolment_number>001</enrolment_number>
    <name>John Doe</name>
    <mobile_number>1234567890</mobile_number>
    <email>john.doe@example.com</email>
  </student>
  <student>
    <enrolment_number>002</enrolment_number>
    <name>Jane Smith</name>
    <mobile_number>9876543210</mobile_number>
    <email>jane.smith@example.com</email>
  </student>
</students>
```

Experiment 8

Aim: Write a php script to read data from txt file and display it in html table (the file contains info in format Name: Password: Email)

==

Index.PHP

```
<!DOCTYPE html>

<html>

<head>

  <title>User Data</title>

  <style>

    table {

      border-collapse: collapse;

      width: 100%;

    }

    th, td {

      border: 1px solid black;

      padding: 8px;

      text-align: left;

    }

    th {

      background-color: #f2f2f2;

    }

  </style>

</head>

<body>


<?php

// Function to read data from text file and return as array

function readUserData($filename) {
```

```php
    $data = array();
    $file = fopen($filename, "r") or die("Unable to open file!");
    while (!feof($file)) {
        $line = fgets($file);
        $userData = explode(": ", $line);
        if (count($userData) === 3) {
            $data[] = array(
                'Name' => $userData[0],
                'Password' => $userData[1],
                'Email' => $userData[2]
            );
        }
    }
    fclose($file);
    return $data;
}


// File path
$filename = "userdata.txt";


// Read data from file
$userData = readUserData($filename);


// Display data in HTML table
echo "<table>";
echo "<tr><th>Name</th><th>Password</th><th>Email</th></tr>";
foreach ($userData as $user) {
    echo "<tr>";
    echo "<td>" . $user['Name'] . "</td>";
```

```php
    echo "<td>" . $user['Password'] . "</td>";

    echo "<td>" . $user['Email'] . "</td>";

    echo "</tr>";
}
echo "</table>";
?>


</body>

</html>
```

==

Data File:-

Pawas Goyal: Hello123 : pawas48@gmail.com

Thakur Sahab: Thakur108: thakur609@gmail.com

Yadav Ji: yadav1908_: yadavji@gmail.com

Ravi Kumar: password123: user1@example.com

Priya Patel: password456: user2@example.com

Suresh Sharma: password789: user3@example.com

Divya Singh: passwordabc: user4@example.com

Sanjay Gupta: passworddef: user5@example.com

Anjali Verma: passwordghi: user6@example.com

Rajesh Tiwari: passwordjkl: user7@example.com

Meera Reddy: passwordmno: user8@example.com

Rahul Mishra: passwordpqr: user9@example.com

Pooja Malhotra: passwordstu: user10@example.com

==

Output:-

Name	Password	Email
Pawas Goyal	Hello123	pawas48@gmail.com
Thakur Sahab	Thakur108	thakur609@gmail.com
Yadav Ji	yadav1908_	yadavji@gmail.com
Ravi Kumar	password123	user1@example.com
Priya Patel	password456	user2@example.com
Suresh Sharma	password789	user3@example.com
Divya Singh	passwordabc	user4@example.com
Sanjay Gupta	passworddef	user5@example.com
Anjali Verma	passwordghi	user6@example.com
Rajesh Tiwari	passwordjkl	user7@example.com
Meera Reddy	passwordmno	user8@example.com
Rahul Mishra	passwordpqr	user9@example.com
Pooja Malhotra	passwordstu	user10@example.com