**1) Design Student Signup Form Using HTML, JavaScript, HTML5 & CSS**

File name :- program1\index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Document</title>

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

    <script src="script.js"></script>

</head>

<body>

  <h1>HTML Registration From with Verification</h1>

  <form action="">

    <table>

      <tr>

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

        <td><input type="text" id="name" name="name"></td>

      </tr>

      <tr>

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

        <td><input type="email" id="email" name="email"></td>

      </tr>

      <tr>

        <td><label for="password"></label>Password</td>

        <td><input type="password" id="password" name="password"></td>

      </tr>

      <tr>

        <td><label for="gender">Gender</label></td>

        <td>

          Male: <input type="radio" name="gender" id="gender" value="male">

          Female: <input type="radio" name="gender" id="gender" value="Female">

        </td>

      </tr>

      <tr>

        <td><label for="course">Course: </label></td>

        <td>

          <select name="course" id="course">

            <option value="">Select Option</option>

            <option value="BCA">BCA</option>

            <option value="BBA">BBA</option>

            <option value="B.Com">B.Com</option>

            <option value="BA">BA</option>

          </select>

        </td>

      </tr>

      <tr>

        <td><label for="about">About: </label></td>

        <td><textarea name="about" id="about" cols="20" rows="5"></textarea></td>

      </tr>

      <tr><td><input type="button" value="Submit" onclick="validate()" id="submit"></td></tr>

    </table>

  </form>

</body>

</html>

File name :-program1\script.js

function validate(){

   alert("Student registration done successfully...")

}

File name :-program1\style.css

\*{

    margin: 0;

}

body{

    display: flex;

    justify-content: center;

    align-items: center;

    flex-direction: column;

    background-color: blue;

}

body h1{

    color: white;

    font-family: sans-serif;

    margin-top: 20px;

}

form{

    display: flex;

    justify-content: center;

    align-items: center;

    width: 200px;

    color: white;

    font-size: 18px;

    font-family: sans-serif;

    padding: 20px;

}

#submit{

    width: 100%;

    padding: 8px;

    font-size: 18px;

    color: rgb(44, 44, 44);

    border-radius: 5px;

}

**3)Write a program in PHP for type casting of a variable**

File name :- program3-multiplication table\multiplication.php

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Document</title>

</head>

<body>

   <form action="index.php" method="post">

    Enter Number: <input type="number" name="number"><br><br>

    <input type="submit" value="submit">

</form>

<?php

    if($\_POST){

        $number = $\_POST["number"];

        for($i=1; $i<=10; $i++){

            echo $number." x ".$i." = ".$number\*$i."<br>";

        }

    }

?>

</body>

</html>

**4) Write a program in PHP to display Multiplication Table using nested for loop**

File name :- program4\index.php

<?php

$var = 2.23;

echo $var;

echo " ".gettype($var)."<br>";

settype($var, "string");

echo $var;

echo " ".gettype($var)."<br>";

settype($var, "integer");

echo $var;

echo " ".gettype($var)."<br>";

settype($var, "float");

echo $var;

echo " ".gettype($var)."<br>";

settype($var, "boolean");

echo $var;

echo " ".gettype($var)."<br>";

settype($var, "null");

echo $var;

echo " ".gettype($var)."<br>";

?>

**5) Write a program In PHP to Sort an array using Bubble Sort function**

File name :- program5\index.php

<h1>Sorting using bubble sort function</h1>

<?php

$arr = array(3, 6, 1, 8, 6, 4);

$temp = 0;

echo "<h4>Before Sorting Array</h4>";

print\_r($arr);

for($i=0; $i<count($arr); $i++){

    for($j=0; $j<count($arr)-1; $j++){

        if($arr[$j] > $arr[$j+1]){

            $temp = $arr[$j];

            $arr[$j] = $arr[$j+1];

            $arr[$j+1] = $temp;

        }

    }

}

echo "<h4>After Sorting Array</h4>";

print\_r($arr);

?>

**6) Design the personal information form, submit and retrieve the form data using php $\_POST,$\_GET,$ REQUEST variable**

File name :- program6\index.php

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Document</title>

</head>

<body>

   <form action="index.php?course=BCA&college=Presidency" method="post">

    First Name: <input type="text" name="fname"><br><br>

    Last Name: <input type="text" name="lname"><br><br>

    Email id: <input type="email" name="email"><br><br>

    Select Gender: <input type="radio" id="" name="gender" value="female"> Female

                    <input type="radio" id="" name="gender" value="male"> Male

                    <br><br>

    Age: <input type="number" name="age"><br><br>

    Address: <input type="text" name="address"><br><br>

    <input type="submit" value="submit">

</form>

<?php

$fname = $\_POST["fname"];

$lname = $\_POST["lname"];

$email = $\_POST["email"];

$gender = $\_POST["gender"];

$age = $\_REQUEST["age"];

$address = $\_REQUEST["address"];

$course = $\_GET["course"];

$college = $\_GET["college"];

echo "<br>Your First Name: ".$fname."<br>";

echo "Your Last Name: ".$fname."<br>";

echo "Your Email: ".$email."<br>";

echo "Your gender: ".$gender."<br>";

echo "Your age: ".$age."<br>";

echo "Your address: ".$address."<br>";

echo "Your course: ".$course."<br>";

echo "Your college: ".$college."<br>";

?>

</body>

</html>

**7) Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.**

File name :- program7\count.txt

1

File name :- program7\index.php

<?php

echo "<h1>Refresh Page</h1>";

$file = "count.txt";

$c = file\_get\_contents($file);

file\_put\_contents($file, $c+1);

echo "The number of user visited: ".$c;

?>

**8) Write a PHP program to use a cookie to remember the day of the last login from a user and display it when run.**

File name :- program8\ index.php

<html>

<body>

    <center><h2>Last Visitor Time on webpage</h2></center>

    <br>

<?php

    if (isset($\_COOKIE["time"])) {

        $time = $\_COOKIE["time"];

        echo "<h3>Last time Stored in cookie: $time</h3>";

    }

    else{

        echo "<h3>You are visiting for first time</h3>";

    }

    $time = date("d-m-Y h:i:s");

    setcookie("time", $time);

?>

</body>

</html>

**9) Write a program to demonstrate DOM parser**

File name :- program9\index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <title>DOM Parsetr</title>

</head>

<body>

    <h1>DOM Parser</h1>

    <script>

       const parser = new DOMParser();

       const parserDocument = parser.parseFromString("<body>  <h1 id='title'>  This is h1 tag  <h1>   </body>", "text/html");

       const title =  parserDocument.getElementById("title");

       title.textContent = "This is simple text";

       const textContent = parserDocument.body.textContent;

       console.log(textContent);

    </script>

</body>

</html>

**10)Create a registration form which stores the registration details into the database table.**

File name :- store.php

<?php

$conn = mysqli\_connect("localhost", "root", "", "workshop");

if($conn === false)

{

die("ERROR: Could not connect. " . mysqli\_connect\_error());

}

$first\_name = mysqli\_real\_escape\_string($conn, $\_REQUEST['first\_name']);

$last\_name = mysqli\_real\_escape\_string($conn, $\_REQUEST['last\_name']);

$email = mysqli\_real\_escape\_string($conn, $\_REQUEST['email']);

// Attempt insert query execution

$sql = "INSERT INTO persons (first\_name, last\_name, email) VALUES ('$first\_name', '$last\_name', '$email')";

if(mysqli\_query($conn, $sql))

{

 echo "Records added successfully.";

}

 else

{

 echo "ERROR: Could not able to execute $sql. " . mysqli\_error($conn);

 }

// Close connection mysqli\_close($conn);

?>

File name :- insert.php

<!DOCTYPE html>

<html>

<head>

    <title></title>

</head>

<body>

<form action="store.php">

<p> <label for="firstName">First Name:</label>

 <input type="text" name="first\_name" id="firstName"> </p>

 <p> <label for="lastName">Last Name:</label>

<input type="text" name="last\_name" id="lastName"> </p>

 <p> <label for="emailAddress">Email Address:</label>

 <input type="text" name="email" id="emailAddress"> </p>

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

</form>

</body>

</html>