

Q13>Write a JavaScript program to compute the sum of an array of integers.

Program:-

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Find the Sum of Values in an Array in JavaScript</title>

</head>

<body>

<script>

    var array = [1, 2, 3, 4, 5];

    var sum = array.reduce(function(a, b){

        return a + b;

    }, 0);

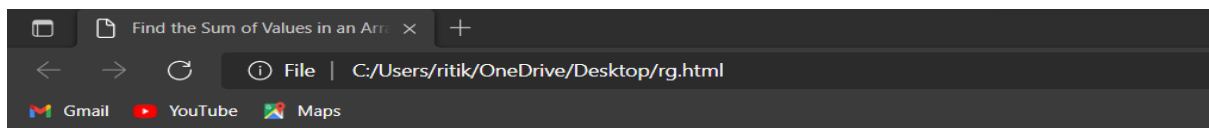
    document.write(sum);

</script>

</body>

</html>
```

Output:-



Q14>Write a JavaScript program to determine whether a given year is a leap year in the Gregorian calendar.

Program:-

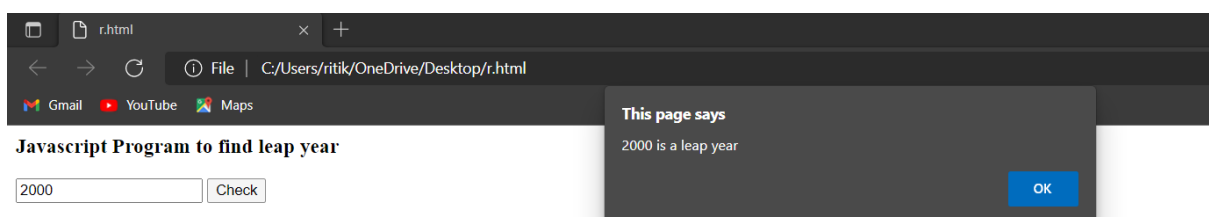
```
<html>

<head>

<script>

    function check_leapyear()
    {
        var year;
        year = document.getElementById("year").value;
        if( (0 == year % 4) && (0 != year % 100) || (0 == year % 400) )
        {
            alert(year+" is a leap year");
        }
        else
        {
            alert(year+" is not a leap year");
        }
    }
</script>
</head>
<body>
<h3>Javascript Program to find leap year</h3>
<input type="text" id="year"></input>
<button onclick="check_leapyear()">Check</button>
</body>
</html>
```

OUTPUT:-



Q15>Write a JavaScript program to display the current date and time in the following format

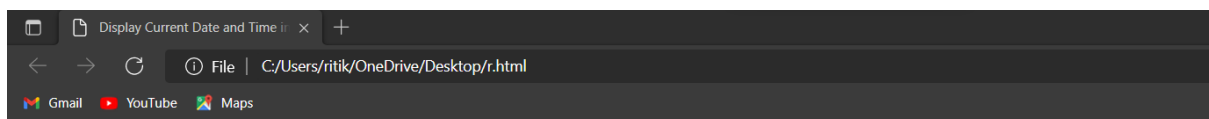
Date: date/month/year

Time: hour/minute/second

Program:-

```
<html>
<head>
  <title>Display Current Date and Time in Html using Javascript</title>
</head>
<body>
  <h1>Get current date using JavaScript.</h1>
  <h2 id="displayDateTime"></h2>
</body>
<script type="text/javascript">
  var today = new Date();
  var day = today.getDay();
  var daylist = ["Sunday","Monday","Tuesday","Wednesday",
  "Thursday","Friday","Saturday"];
  var date = today.getFullYear()+'-'+(today.getMonth()+1)+'-'+today.getDate();
  var time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();
  var dateTime = date+' '+time;
  document.getElementById("displayDateTime").innerHTML = dateTime + ' <br> Day :- ' +
  daylist[day];
</script>
</html>
```

OUTPUT:-



Get current date using JavaScript.

2022-5-22 10:15:54

Day :- Sunday

Q16> Write a JavaScript where the program takes a random integer between 1 to 10, the user is then prompted to input a guess number. If the user input matches with guess number, the program will display a message “welcome to JavaScript” otherwise display a message “not matched”.

Program:-

```
<html>

<head>

  <title>Guessing random number</title>

  <script type="text/javascript">

function guess(){

  var num = parseInt(Math.floor(Math.random() * 10)+ 1);

  var userGuess = prompt("input a guess number between 1 to 10");

  if(isNaN(userGuess)) {

    alert("Please, write a number");

  } else {

    if(num == userGuess){

      alert("welcome to JavaScript");

    } else {

      alert("Not matched. Number was " + num);

    }

  }

}

</script>

</head>

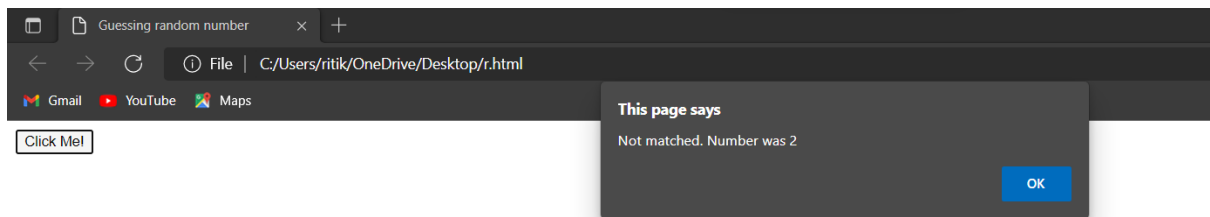
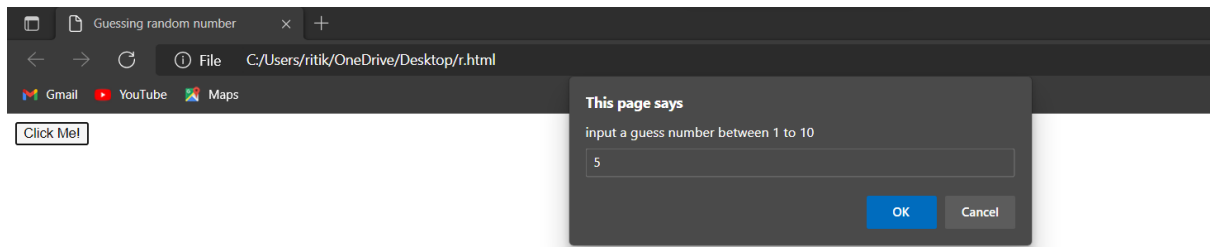
<body>

<button onclick="guess()">Click Me!</button>

</body>

</html>
```

OUTPUT:-



Q17>Write a program to create a custom error in JavaScript.

Program:-

```
<!DOCTYPE html>

<html>

<head>

<script>

function myFunction() {

    const message = document.getElementById("p");

    message.innerHTML = "";

    let x = document.getElementById("demo").value;

    try {

        if(x == "") throw "Empty";

        if(isNaN(x)) throw "not a number";

        x = Number(x);

        if(x < 18) throw "below 18";

        if(x >= 18 && x <= 30) throw "valid. User is between 18-30";

        if(x > 30) throw "Above 30";

    }

    catch(err) {

        message.innerHTML = "Input is " + err;

    }

}

</script>

</head>

<body>

<h2>JavaScript Custom Error with try catch</h2>

<p>Please enter your age if you're between 18-30</p>

<input id="demo" type="text">

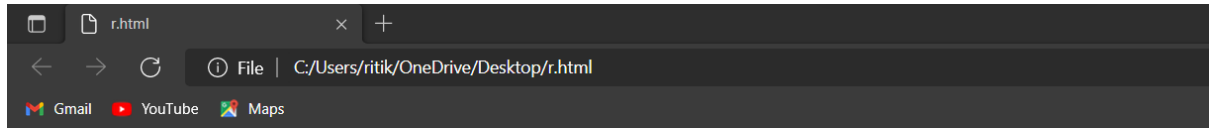
<button type="button" onclick="myFunction()">Check</button>
```

```
<p id="p"></p>
```

```
</body>
```

```
</html>
```

OUTPUT:-



JavaScript Custom Error with try catch

Please enter your age if you're between 18-30

Input is valid. User is between 18-30

Q18>Create a PHP program to find odd or even number from given number.

Program:-

```
<html>

<body>

<form method="post">

    Enter a number:

    <input type="number" name="number">

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

</form>

</body>

</html>

<?php
    if($_POST){
        $number = $_POST['number'];
        if(($number % 2) == 0){
            echo "$number is an Even number";
        }else{
            echo "$number is Odd number";
        }
    }
?>
```

OUTPUT:-

Q19> Write a PHP program to find maximum of three numbers

Program:-

```
<html>
<head>
  <title>PHP Test</title>
</head>
<body>
  <form method="post">
    First Number <input type="text" name="num1"><br>
    Second Number <input type="text" name="num2"><br>
    Third Number <input type="text" name="num3"><br>
    <input type="submit" value="Find" name="find">
  </form>
  <?php

  if(isset($_POST["find"]))
  {
    $num1 = $_POST["num1"];
    $num2 = $_POST["num2"];
    $num3 = $_POST["num3"];

    if($num1 > $num2 && $num1 > $num3){
      echo $num1." is Largest among three numbers.";
    }else if($num2 > $num3){
      echo $num2." is Largest among three numbers.";
    }else{
      echo $num3." is Largest among three numbers.";
    }
  }
  ?>
</body>
</html>
```

OUTPUT:-

Q20>Write a PHP program to create and drop a database using MySQL.

Program:-

```
<?php
$host= "localhost";
$username = "username";
$password = "password";
$conn = new mysqli($host, $username, $password);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "CREATE DATABASE testDB";
if ($conn->query($sql) === TRUE) {
    echo "Database created successfully";
} else {
    echo "Error creating database: " . $conn->error;
}
$sql = 'DROP DATABASE testDB';

$retval = mysql_query( $sql, $conn );

if(! $retval ) {
    die('Could not delete database testDB: ' . mysql_error());
}

echo "Database deleted successfully\n";
$con->close();
?>
```

OUTPUT:-

Q21>Write a PHP program to create and drop a table in MySQL.

Program:-

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "newDB";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "CREATE TABLE employees(
    id INT(2) PRIMARY KEY,
    firstname VARCHAR(30) NOT NULL,
    lastname VARCHAR(30) NOT NULL,
    email VARCHAR(50)
)";
if ($conn->query($sql) === TRUE) {
    echo "Table employees created successfully";
} else {
    echo "Error creating table: " . $conn->error;
}
$d='DROP Table employee';
$retval = mysql_query( $sql, $conn );

if(! $retval ) {
    die('Could not delete database testDB: ' . mysql_error());
}

echo "Database deleted successfully\n";

?>
$con->close();
```

OUTPUT:-

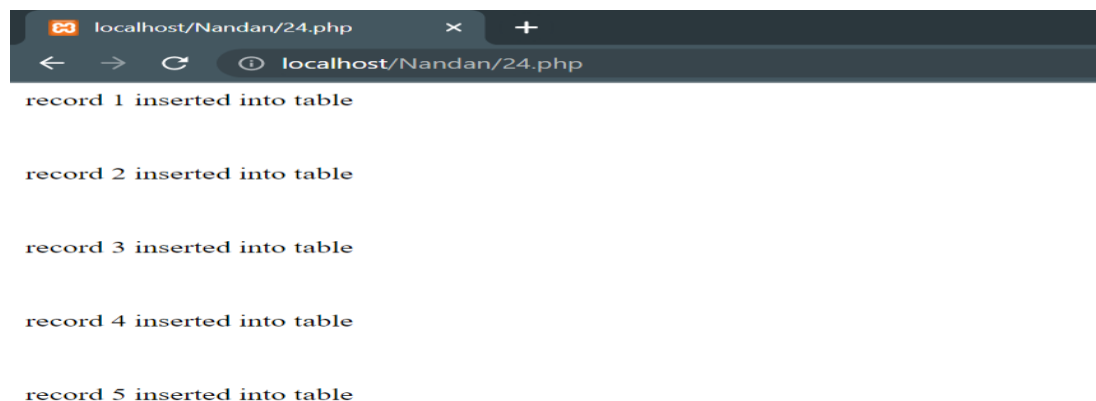
Q22>Write a PHP program to insert record into a table using MySQL.

Program:-

```
<?php
    $server = "localhost";
    $username = "root";
    $password = "";
    $con = mysqli_connect($server, $username, $password);
    if(!$con){
        die("connect failed");
    }
    // echo "successfull" ;
    $sql = "INSERT INTO gehu (`course_name`, `course_id`, `course_duration`) VALUES
('PGDMA', '101', '1 years')";
    $con->query($sql);
    echo "record 1 inserted into table <br><br><br><br>";
    $sql = "INSERT INTO gehu (`course_name`, `course_id`, `course_duration`) VALUES ('BCA',
'102', '3 years')";
    $con->query($sql);
    echo "record 2 inserted into table <br><br><br><br>";
    $sql = "INSERT INTO gehu (`course_name`, `course_id`, `course_duration`) VALUES
('B.COM', '103', '3 years')";
    $con->query($sql);
    echo "record 3 inserted into table <br><br><br><br>";
    $sql = "INSERT INTO gehu (`course_name`, `course_id`, `course_duration`) VALUES ('BBA',
'104', '3 years')";
    $con->query($sql);
    echo "record 4 inserted into table <br><br><br><br>";
    $sql = "INSERT INTO gehu (`course_name`, `course_id`, `course_duration`) VALUES ('MCA',
'105', '2 years')";
    $con->query($sql);
    echo "record 5 inserted into table <br><br><br><br>";

    $con->close();
?>
```

OUTPUT:-



Q23>Write a PHP program to fetch record from a table using MySQL and display on the web page.

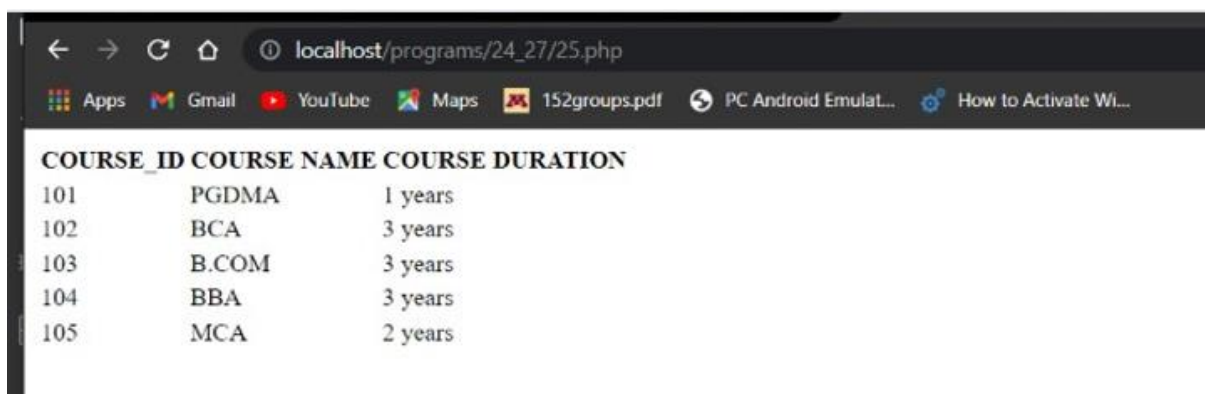
Program:-

```
<?php
    $server = "localhost";
    $username = "root";
    $password = "";
    $con = mysqli_connect($server, $username, $password);
    if(!$con){
        die("connect failed");
    }
    $sql= " SELECT * FROM `gehu`.`course` ";
    $res=$con->query($sql);
    if($res->num_rows > 0)
    {
        echo "<table><tr><th>COURSE_ID</th><th>COURSE NAME</th><th>COURSE
DURATION</th></tr>";

        while($row = $res->fetch_assoc())
        {
            echo "<tr><td>" . $row["course_id"] . "</td><td>" . $row["course_name"] .
"</td><td>" . $row["course_duration"] . "</td></tr>";
        }
        echo "</table>";
    }
    else
    {
        echo "0 RESULTS";
    }

    $con->close();
?>
```

OUTPUT:-



COURSE_ID	COURSE NAME	COURSE DURATION
101	PGDMA	1 years
102	BCA	3 years
103	B.COM	3 years
104	BBA	3 years
105	MCA	2 years

