# Design webpage using HTML , that contain online admission form

<!DOCTYPE html>

<html><head>

<title>Admission form</title>

<style>

body{

background-color:black;

background-image:linear-gradient(to bottom right, black, #f1f1f1); }

button{

padding: 10px 50px ;

border-radius: 5px;}

.box{

background-color: #f1f1f1;

text-align: left;

margin: 0 25% 0 25% ;

border: solid 1px;

padding: 20px;

border-radius: 5px;}

h1,h2{

margin:  0 25% 0 25% ;

text-align: center;

color: white ;}

.in{

margin: 5px;

padding: 5px:

border: solid 1px;

border-radius: 3px;}

</style></head>

<body><form method="get" action="../form/process.php">

    <h1 style=" ">Admission Form</h1>

```
<h2> Moolji Jaitha College </h2><br>

    <div class="box">

            <label for="name"> Name : </label><br>
<input class="in" type="text" placeholder="Enter your name" name="name" id="name"
required><br><br>

<label for="fname"> Father Name : </label><br>

<input class="in" style="text-align: center;" type="text" placeholder="Enter the name of
your father " name="fname" id="fname" required><br><br>

<label for="mname"> Mother Name : </label><br>

<input  class="in" type="text" placeholder="Enter the name of your Mother "
name="mname" id="mname" required>

<br><br>

<label for="Pnum"> Mobile Number : </label><br>

<input class="in" type="tel" placeholder="Enter your Mobile Number" name="Pnum"
id="Pnum" pattern= "[0-9]{10}" maxlength="10" required><br><br>

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

<input class="in" type="email" placeholder="Enter your Email" name="email" id="email"
required><br><br>

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

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

<label for="male"> Male </label>

<input type="radio" id="female" name="gender" value="female">

<label for="female"> Female </label>

<input  type="radio" id="other" name="gender" value="other">

<label for="other"> Others </label><br><br>

<label for="DOB"> DOB : </label>

<input type="date" id="DOB" name="DOB"><br><br>

<label for="add"> Address : </label> <br>

<textarea class="in" name="add" id="add" placeholder="Enter your address" rows="5"
cols="50"></textarea><br><br>

<label for="marks"> Percentage of last class : </label>

<input type="number" min="0" max="100" id="marks" name="marks">
```

```
<br><br>
<label for="course"> Admission course:  </label>
<select id="hq" name="hq">
<option value="10th">10th</option>
<option value="12th">12th</option>
<option value="UG">UG</option>
<option value="PG">PG</option>
</select>
 <br><br>
 <label for="stream"> Admission stream:  </label>
<select id="stream" name="stream">
<option value="science">science</option>
<option value="arts">arts</option>
<option value="commerce">commerce</option>
</select>
<br><br></div><br>
<div style="text-align: center;">
 <button style="text-align: center;" type="submit">Submit</button>
 </div> </form></body></html>
```

**# Write PHP scripts that demonstrate fundamentals of PHP.**

```php
<html><head>
<title>PHP 1 </title>
</head><body>
<?php
// area of a rectangle
$length = 5;
$width = 3;
$rectangleArea = $length * $width;
//  area of a circle
$radius = 4;
$pi = 3.14;
$circleArea = $pi * ($radius * $radius);
// volume of a cube
$sideLength = 2;
$cubeVolume = $sideLength * $sideLength * $sideLength;
//volume of a cylinder
$cylinderRadius = 3;
$cylinderHeight = 7;
$cylinderVolume = $pi * ($cylinderRadius * $cylinderRadius) * $cylinderHeight;
echo "Area of rectangle: " . $rectangleArea . "<br>";
echo "Area of circle: " . $circleArea . "<br>";
echo "Volume of cube: " . $cubeVolume . "<br>";
echo "Volume of cylinder: " . $cylinderVolume . "<br>";
echo "Addition: " . ($rectangleArea + $circleArea) . "<br>";
echo "Subtraction: " . ($cubeVolume - $cylinderVolume) . "<br>";
echo "Multiplication: " . ($rectangleArea * $cylinderVolume) . "<br>";
echo "Division: " . ($circleArea / $sideLength) . "<br>";
echo "Modulus: " . ($rectangleArea % $sideLength) . "<br>";
echo "Increment: " . (++$rectangleArea) . "<br>";
echo "Decrement: " . (--$circleArea) . "<br>";
```

```php
$word = "hello mam " ;

print($word)

?></body>

</html>
```

**OUTPUT**

Area of rectangle: 15
Area of circle: 50.24
Volume of cube: 8
Volume of cylinder: 197.82
Addition: 65.24
Subtraction: -189.82
Multiplication: 2967.3
Division: 25.12
Modulus: 1
Increment: 16
Decrement: 49.24
hello mam

# Switch case

```
<html>
<head>
   <title>Switch case</title>
   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>
<body>
   <form action="" method="POST">
      <label for="input"> Enter the input : </label><br>
      <input name="in"  type="number"  placeholder="Enter the input " min="0" max="12" required><br>
   </form>
   <?php
   $n = $_POST["in"];
   switch($n){
     case 1:
        echo " $n = ONE <br> ";
        break;
     case 2:
        echo " $n = TWO <br> ";
        break;
     case 3:
        echo " $n = THREE <br> ";
        break;
     case 4:
        echo " $n = FOUR <br> ";
        break;
     case 5:
        echo " $n = FIVE <br> ";
        break;
     case 6:
```

```
        echo " $n = SIX <br> ";

        break;

    case 7:

        echo " $n = SEVEN <br> ";

        break;

    case 8:

        echo " $n = EIGHT <br> ";

        break;

    case 9:

        echo " $n = NINE <br> ";

        break;

    case 0:

        echo " $n = ZERO <br> ";

        break;

    default:

        echo "Invalid input";

}?>
</body>
</html>
```

**OUTPUT**

**Enter the input : 9**

9 = NINE

**# Check if number is positive, negative or Zero**

```
<!DOCTYPE html>
<html>
<head>
    <title>Positive/Negative/Zero Checker</title>
</head>
<body>
<form  method="POST">
    <label for="number">Enter a number: </label>
    <input name="number" type="number" required>
    <input type="submit" >
</form>
<?php
    $num = $_POST["number"];
    if ($num > 0) {
        echo "<p>$num is a positive number.</p>";
    } elseif ($num < 0) {
        echo "<p>$num is a negative number.</p>";
    } else {
        echo "<p>$num is zero.</p>";
    }?>
</body>
</html>
```

**OUTPUT**

**Enter a number: 5**
5 is a positive number.

**Enter a number: -5**

5 is a negative number.

**Enter a number: 0**

0 is zero.

# Fibonacci series

```
<!DOCTYPE html>
<html>
<head>
   <title>Fibonacci Series</title>
</head><body>
<form action="" method="POST">
   <label for="terms">Enter the number of terms: </label>
   <input name="terms" type="number" min="1" required>
   <input type="submit" value="Generate Fibonacci Series">
</form><?php
   $numTerms = $_POST["terms"];
   $firstTerm = 0;
   $secondTerm = 1;
   echo "<p>Fibonacci Series for $numTerms terms:</p>";
   $count = 0;
   while ($count < $numTerms) {
      echo "$firstTerm, ";
      $nextTerm = $firstTerm + $secondTerm;
      $firstTerm = $secondTerm;
      $secondTerm = $nextTerm;
      $count++;}?>
</body></html>
```

**OUTPUT**

Enter the number of terms: 9
Fibonacci Series for 9 terms:

0, 1, 1, 2, 3, 5, 8, 13, 21

**# Check whether the number is prime or not**

```
<!DOCTYPE html>
<html>
<head>
    <title>Prime Number Checker</title>
</head><body>
<form action="" method="POST">
    <label for="number">Enter a number: </label>
    <input name="number" type="number" min="2" required>
    <input type="submit" value="Check Prime">
</form><?php
    $userNumber = $_POST["number"];
    $isPrime = true;
    for ($i = 2; $i <= sqrt($userNumber); $i++) {
        if ($userNumber % $i == 0) {
            $isPrime = false;
            break;
        }
    }if ($isPrime) {
        echo "<p>$userNumber is a prime number.</p>";
    } else {
        echo "<p>$userNumber is not a prime number.</p>";}?>
</body>
</html>
```

**OUTPUT**

**Enter a number: 4**
4 is not a prime number.

**Enter a number: 5**

5 is a prime number.

**# Write a php script that will print the Grade based on marks**

```
<!DOCTYPE html>
<html>
<head>
   <title>Grade</title>
</head><body>
<form  method="POST">
   <label for="number">Enter a marks: </label>
   <input name="marks" type="number" required>
   <input type="submit" ></form>
<?php
   $num = $_POST["marks"];
   if ($num >= 70) {
      echo "<br> You have passed with distinction";
   } elseif ($num >= 60) {
      echo "<br>You have passed in first class ";
   } elseif ($num >= 40) {
      echo "<br>You have passed ";
         }else {
      echo "<br>You have failed";
   }?></body></html>
```

**OUTPUT**

**Enter the marks: 20**

You have failed

**Enter the marks: 45**

You have passed

**Enter the marks: 65**

You have passed in first class

**Enter the marks: 90**

You have passed with distinction

**# Write a php script to demonstrate various string functions.**

```php
<html>
<head>
<title>PHP string</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>
<body>
<?php
echo "This is the program for demonstrating string functions ";
//  string
$s = "String Demonstration ";
// String length
$l = strlen($s);
echo "String length: " . $l . "<br>";
// Convert to lowercase
$lowercaseString = strtolower($s);
echo "Lowercase: " . $lowercaseString . "<br>";
// Convert to uppercase
$uString = strtoupper($s);
echo "Uppercase: " . $uString . "<br>";
// Substring
$substr = substr($s, 7, 5);
echo "Substring: " . $substr . "<br>";
// String concatenation
$newStr = $s . " Concatenation!";
echo "Concatenated String: " . $newStr . "<br>";
// Trim whitespace
$wspace = "   Trim me!   ";
$trimm = trim($wspace);
echo "Trimmed String: " . $trimm . "<br>";
?>
```

</body>

</html>

**OUTPUT**

This is the program for demonstrating string functions
String length: 21
Lowercase: string demonstration
Uppercase: STRING DEMONSTRATION
Substring: Demon
Concatenated String: String Demonstration Concatenation!
Trimmed String: Trim me!

**#Write PHP scripts to demonstrate form data handling using get and post methods**

**//PHP Scripts – process.php**

```
<html>
<head>
<title>process</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>
<body>
<?php
    $name = $_GET["name"];
    $fatherName =  $_GET["fname"];
    $motherName =  $_GET["mname"];
    $mobileNumber =  $_GET["Pnum"];
    $email =  $_GET["email"];
    $gender =  $_GET["gender"];
    $dob =  $_GET["DOB"];
    $address =  $_GET["add"];
    $percentage =  $_GET["marks"];
    $admissionCourse =  $_GET["hq"];
    $admissionStream =  $_GET["stream"];
    echo "Admission Details<br>";
    echo "Name:$name<br>";
    echo "Father's Name: $fatherName<br>";
    echo "Mother's Name: $motherName<br>";
    echo "Mobile Number: $mobileNumber<br>";
    echo "Email: $email<br>";
    echo "Gender: $gender<br>";
    echo "Date of Birth: $dob<br>";
    echo "Address: $address<br>";
    echo "Percentage of Last Class:$percentage% <br>";
```

```
    echo "Admission Course: $admissionCourse<br>";
    echo "Admission Stream: $admissionStream <br>";
?>
</body>
</html>
```

**// HTML Script**

```
<!DOCTYPE html>
<html><head>
<title>Admission form</title>
<style>
body{
background-color:black;
background-image:linear-gradient(to bottom right, black, #f1f1f1); }
button{
padding: 10px 50px ;
border-radius: 5px;}
.box{
background-color: #f1f1f1;
text-align: left;
margin: 0 25% 0 25% ;
border: solid 1px;
padding: 20px;
border-radius: 5px;}
h1,h2{
margin:  0 25% 0 25% ;
text-align: center;
color: white ;}
.in{
```

```
margin: 5px;

padding: 5px:

border: solid 1px;

border-radius: 3px;}

</style></head>

<body><form method="get" action="../form/process.php">

    <h1 style=" ">Admission Form</h1>

<h2> Moolji Jaitha College </h2><br>

    <div class="box">

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

<input class="in" type="text" placeholder="Enter your name" name="name" id="name"
required><br><br>

<label for="fname"> Father Name : </label><br>

<input class="in" style="text-align: center;" type="text" placeholder="Enter the name of
your father " name="fname" id="fname" required><br><br>

<label for="mname"> Mother Name : </label><br>

<input  class="in" type="text" placeholder="Enter the name of your Mother "
name="mname" id="mname" required>

<br><br>

<label for="Pnum"> Mobile Number : </label><br>

<input class="in" type="tel" placeholder="Enter your Mobile Number" name="Pnum"
id="Pnum" pattern= "[0-9]{10}" maxlength="10" required><br><br>

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

<input class="in" type="email" placeholder="Enter your Email" name="email" id="email"
required><br><br>

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

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

<label for="male"> Male </label>

<input type="radio" id="female" name="gender" value="female">

<label for="female"> Female </label>

<input  type="radio" id="other" name="gender" value="other">

<label for="other"> Others </label><br><br>
```

```html
<label for="DOB"> DOB : </label>

<input type="date" id="DOB" name="DOB"><br><br>

<label for="add"> Address : </label> <br>

<textarea class="in" name="add" id="add" placeholder="Enter your address" rows="5" cols="50"></textarea><br><br>

<label for="marks"> Percentage of last class : </label>

<input type="number" min="0" max="100" id="marks" name="marks">

<br><br>

<label for="course"> Admission course:  </label>

<select id="hq" name="hq">

<option value="10th">10th</option>

<option value="12th">12th</option>

<option value="UG">UG</option>

<option value="PG">PG</option>

</select>

 <br><br>

 <label for="stream"> Admission stream:  </label>

<select id="stream" name="stream">

<option value="science">science</option>

<option value="arts">arts</option>

<option value="commerce">commerce</option>

</select>

<br><br></div><br>

<div style="text-align: center;">

 <button style="text-align: center;" type="submit">Submit</button>

 </div> </form></body></html>
```

**OUTPUT**

Admission Details
Name: sarvari
Father's Name: javed
Mother's Name: Noor
Mobile Number: 83499xxxxx
Email: saru@gmail.com
Gender: female
Date of Birth: 2003-11-06
Address: plot no - 16 , gat no - 202/1, dhamangaon
Percentage of Last Class:100%
Admission Course: PG
Admission Stream: science

# Write a php script to demonstrate functions (call by value and call by reference)

<html><head>

<title>function</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1"></head><body>

<form method="POST">

   <label for="number">Enter a AGE: </label>

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

   <input type="submit" ></form>

<?php

if ($_SERVER["REQUEST_METHOD"]=="POST"){

$age = $_POST["value"];

// Call by value function definition (does not change the original value)

function birth_year($age) {

   $age = 2024 - $age +50 ;

echo "You were born in : $age <br>";}

// Call by reference function definition (changes the original vale )

function if_born(&$age) {

   echo "your age is : $age <br>";

   $age = 50 + $age;

   echo "Your age after 50 years will be : $age <br>";}

if_born($age);

echo "your age today after 50 years is : $age <br>";

birth_year($age);     }

?></body></html>

**OUTPUT**

Enter a AGE: 30    Submit

your age is : 30
Your age after 50 years will be : 80
your age today after 50 years is : 80
You were born in : 1994

**# Write a PHP script to demonstrate OOPS concept in PHP**

```
<html>
<head>
  <title>OOPS concept</title>
</head>
<body>
  <form method="POST">
    <label for="dimensions">Enter dimensions (comma-separated): </label>
    <input name="dimensions" type="text" required><br><br>
    <input type="submit"></form>
  <?php
  if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $dimensionsInput = $_POST["dimensions"];
    $dimensions = explode(",", $dimensionsInput);
    $s = count($dimensions);
    class display
    {function display($area, $shape)
      {echo "Area of the $shape is : $area<br>"
    class area extends display{
    public $result, $shape
      public function __construct()
      {$this->result = null;
        $this->shape = null;}
      function areas(...$args)
      {$s = count($args);
        switch ($s) {
          case 1:
            $this->shape = "Circle";
            $this->result = 3.14 * $args[0] ** 2;
            break;
          case 2:
```

```
        if ($args[0] == $args[1]) {
            $this->shape = "square";
            $this->result = $args[0] ** 2;
        } else {
            $this->shape = "rectangle";
            $this->result = $args[0] * $args[1];
        }break;
    default:
        echo " I cant calculate the area ! ";
        return;
    }$this->display($this->result, $this->shape);}}
$ar = new area();
$ar->areas(...$dimensions);}?></body></html>
```

**OUTPUT**

Enter dimensions (comma-separated): 2,1

Submit

Area of the rectangle is : 2

Enter dimensions (comma-separated): 2

Submit

Area of the Circle is : 12.56

Enter dimensions (comma-separated): 2,2

Submit

Area of the square is : 4

# Write PHP script to demonstrate Exception handling.

```php
<!DOCTYPE html>
<html lang="en">
<head></head>
<body>
    <h2>Division Calculator</h2>
    <form method="POST">
        <label for="numerator">Enter the numerator:</label>
        <input type="text" id="numerator" name="numerator" required><br><br><br>
        <label for="denominator">Enter the denominator:</label>
        <input type="text" id="denominator" name="denominator" required><br><br><br>
        <button type="submit">Calculate</button>
    </form><?php
if ($_SERVER["REQUEST_METHOD"] == "POST"){
function divide() {
    try {
        $numerator = $_POST['numerator'];
        $denominator = $_POST['denominator'];
        if (!is_numeric($numerator) || !is_numeric($denominator)) {
            throw new Exception("Please enter valid numeric values");}
        if ($denominator == 0) {
            throw new Exception("Cannot divide by zero");}
```

```
    $result = $numerator / $denominator;

    echo "Result: $result";

  } catch (Exception $e) {

    echo "Error: " . $e->getMessage();

  } finally {

    echo "<br>Finally block executed.";}}

divide();}?>

</body>

</html>
```

**OUTPUT**

# Division Calculator

Enter the numerator: `2`

Enter the denominator: `2`

`Calculate`
Result: 1
Finally block executed.

# Division Calculator

Enter the numerator: `2`

Enter the denominator: `0`

`Calculate`
Error: Cannot divide by zero
Finally block executed.