Javascript programs

1.Area and Circumfereces

<html>

<body>

<h1>Area and circumference of a circle</h1>

Enter the radius for your circle:

<input type="text" id="txtRadius" />

<input type="button" value="Calculate" onClick=CalculateArea() />

<script>

function CalculateArea() {

var radius = document.getElementById('txtRadius').value;

alert("The area of the circle is " + (radius \* radius \* Math.PI));

alert("The circum of the circle is " + (2\* radius \* Math.PI));

}

</script>

</body>

</html>

2.Perfect,abundant,deficient

<html>

<body>

<h1>Perfect Number</h1>

Enter a number:

<input type="text" id="num" />

<input type="button" value="Find" onClick="findPerfect()" />

<script>

function findPerfect() {

var n = document.getElementById('num').value;

var sum = 0;

for (var i = 0; i < n; i++) {

if (n % i == 0) {

sum = sum + i;

}

}

if (sum == n)

alert("The number is perfect ");

else if (sum > n)

alert("The number is abundant");

else

alert("The number is deficient");

}

</script>

</body>

</html>

3.Multiplication Table

<html>

<body>

<h1>Multiplication Table</h1>

Enter a number:

<input type="text" id="num" /><br /><br />

Enter limit:

<input type="text" id="limit" />

<input type="button" value="Find" onClick="multiply()" />

<p id="result"></p>

<script>

function multiply() {

var n = document.getElementById('num').value;

var l = document.getElementById('limit').value;

var out = "";

for (var i = 1; i <= l; i++) {

out = out + i + " \* " + n + " = " + i \* n + "<br/>";

}

document.getElementById("result").innerHTML = out;

}

</script>

</body>

</html>

4.Arithmetic operations

<html>

<head>

<script>

function add() {

var a = parseInt(document.getElementById('a').value);

var b = parseInt(document.getElementById('b').value);

r = a + b;

document.getElementById("result").innerHTML = a + " + " + b + " = " + r;

}

function sub() {

var a = parseInt(document.getElementById('a').value);

var b = parseInt(document.getElementById('b').value);

r = a - b;

document.getElementById("result").innerHTML = a + " - " + b + " = " + r;

}

function mul() {

var a = parseInt(document.getElementById('a').value);

var b = parseInt(document.getElementById('b').value);

r = a \* b;

document.getElementById("result").innerHTML = a + " \* " + b + " = " + r;

}

function div() {

var a = parseInt(document.getElementById('a').value);

var b = parseInt(document.getElementById('b').value);

r = a / b;

document.getElementById("result").innerHTML = a + " / " + b + " = " + r;

}

</script>

</head>

<body>

<h1>Calculator</h1>

<form>

Enter number 1:

<input type="text" id="a" /><br />

Enter number 2:

<input type="text" id="b" /><br />

<input type="button" value="Add" onClick="add()" />

<input type="button" value="Subtract" onClick="sub()" />

<input type="button" value="Multiply" onClick="mul()" />

<input type="button" value="Divide" onClick="div()" />

</form>

<p id="result"></p>

</body>

</html>

5.Change background color

<html>

<body id="body">

<input type="button" onmouseover="changeBg(0)" value="Red">

<input type="button" onmouseover="changeBg(1)" value="Yellow">

<input type="button" onmouseover="changeBg(2)" value="Blue">

<input type="button" onmouseover="changeBg(3)" value="Green">

<input type="button" onmouseover="changeBg(4)" value="Orange">

<script>

function changeBg(i) {

const colors = ["red", "yellow", "blue", "green", "orange"];

document.body.style.background = colors[i];

}

</script>

</body>

</html>

6.Palindrome or not

<body>

<h1>Palindrome</h1>

Enter String: <input type="text" id="txt" />

<input type="button" value="Check" onClick=checkPalindrome()/>

<p id="result"></p>

<script>

function checkPalindrome() {

var str = document.getElementById('txt').value;

const len = str.length;

var flag = 1;

for (var i = 0; i < len / 2; i++) {

if (str[i] != str[len - 1 - i]) {

flag = 0;

}

}

if (flag == 1) {

document.getElementById("result").innerHTML = "It is a palindrome";

}

else {

document.getElementById("result").innerHTML = "It is not a palindrome";

}

}

</script>

</body>

</html>

7.Array and read values

<html>

<body>

<script>

var n = window.prompt("Enter size of the array");

var arr = new Array();

var sum = 0;

for (let i = 1; i <= n; i++) {

arr[i] = parseInt(window.prompt("Enter element " + i));

sum = sum + arr[i];

}

alert("Sum =" + sum);

</script>

</body>

</html>

8.Onfocus&Onblur

<html>

<body>

Enter text :

<input type="text" id="txtbox" onfocus=change(0) onblur=change(1)>

<script>

function change(i) {

if (i == 0) {

document.getElementById("txtbox").style.backgroundColor = "lightgrey";

document.getElementById("txtbox").style.color = "blue";

}

else {

document.getElementById("txtbox").style.backgroundColor = "white";

document.getElementById("txtbox").style.color = "black";

}

}

</script>

</body>

</html>

9.Select Box

<html>

<body>

Select a country :

<select id="countries" onchange=getCapital()>

<option value="0">Australia</option>

<option value="1">Poland</option>

<option value="2">Mexico</option>

<option value="3">Germany</option>

<option value="4">India</option>

</select>

<br/><br/>

Capital: <input type="text" id="txtbox">

<script>

function getCapital() {

var capitals=["Canberra","Warsaw","Mexico City","Berlin","New Delhi"];

var i = document.getElementById("countries").selectedOptions[0].value;

document.getElementById("txtbox").value = capitals[i];

}

</script>

</body>

10.Password validation

<html>

<body>

<h1>Password Validation</h1>

Password: <input type="text" id="pass"><br />

Confirm Password: <input type="password" id="confirm"><br />

<input type="submit" onClick="verify()">

<p id="txt"></p>

<script>

function verify() {

document.getElementById("txt").innerHTML = "";

if (document.getElementById("pass").value != document.getElementById("confirm").value) {

document.getElementById("txt").innerHTML += "Password and confirm password must be same.";

}

if (document.getElementById("pass").value.length < 8) {

document.getElementById("txt").innerHTML += "<br/>Password must be greater than 8 characters.";

}

if (document.getElementById("pass").value == document.getElementById("confirm").value) {

document.getElementById("txt").innerHTML += "Valid.";

}

}

</script>

</body>

</html>

interface

Fibonacci Series

Top of Form

Enter the number : 

Source code

12.Display Fibonacci series up to a given number

Bottom of Form

<html>

<body>

<h2>Fibonacci Series</h2>

<form action="" method="post">

Enter the number :

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

<input type="submit" />

</form>

</body>

</html>

<?php

if ($\_POST) {

$firstTerm = 0;

$secondTerm = 1;

$n = $\_POST['number'];

while ($firstTerm <= $n) {

echo $firstTerm . "</br>";

$nextTerm = $firstTerm + $secondTerm;

$firstTerm = $secondTerm;

$secondTerm = $nextTerm;

}

}

?>

19.Write a php program to create an array and store 10 names in the array and Do the following operations.

Source code

<html>

<body>

<h1>Array Operations</h1>

<form action="" method="post">

<input type=radio name=choice value=display>Display Array<br />

<input type=radio name=choice value=sort>Sorted Array<br />

<input type=radio name=choice value=dupli>Without Duplicate<br />

<input type=radio name=choice value=pop>Delete Last<br />

<input type=radio name=choice value=rev>Array Reverse<br />

<input type=radio name=choice value=search>Array Search<br /><br/>

<input type=Submit>

</body>

</html>

<?php

if ($\_POST) {

$countries = array("Chile", "Colombia", "Pakistan", "Pakistan", "Italy","Chile", "Austria", "New Zealand", "United States");

$val = $\_POST['choice'];

switch ($val) {

case "display":

foreach ($countries as $value)

echo "<br>" . $value;

break;

case "sort":

sort($countries);

foreach ($countries as $value)

echo "<br>" . $value;

break;

case "dupli":

$uarray = array\_unique($countries);

foreach ($uarray as $value)

echo "<br>" . $value;

break;

case "pop":

array\_pop($countries);

foreach ($countries as $value)

echo "<br>" . $value;

break;

case "rev":

$revarr = array\_reverse($countries);

foreach ($revarr as $value)

echo "<br>" . $value;

break;

case "search":

echo "<br/><br/>Position - " . array\_search("Italy", $countries, true);

break;

}

}

?>

11.Write a PHP program to check whether a given number is Armstrong or not

<html>

<body>

<form method="post">

Enter the Number:

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

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

</form>

</body>

</html>

<?php

if($\_POST)

{

//get the number entered

$number = $\_POST['number'];

//store entered number in a variable

$a = $number;

$sum = 0;

//run loop till the quotient is 0

while( $a != 0 )

{

$rem = $a % 10; //find reminder

$sum = $sum + ( $rem \* $rem \* $rem ); //cube the reminder and add it to the sum variable till the loop ends

$a = $a / 10; //find quotient. if 0 then loop again

}

//if the entered number and $sum value matches then it is an armstrong number

if( $number == $sum )

{

echo "Yes $number an Armstrong Number";

}else

{

echo "$number is not an Armstrong Number";

}

}

?>

17. Php program to store current date-time in a cookie and display the last visited date-time.

<html>

<body>

<h2> Last visited time on the web page</h2>

<?php

$intm = 60 \* 60 \* 24 \* 60 + time();

setcookie('lastVisit', date("G:i - m/d/y"), $intm);

if (isset($\_COOKIE['lastVisit'])) {

$visit = $\_COOKIE['lastVisit'];

echo "Your last visit was - " . $visit;

} else

echo "You have not visited this website before!";

?>

</body>

</html>

<html>

<body>

<h2>Perfect, Abundant or Deficient</h2>

<form action="" method="post">

Enter the number:

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

<input type="submit" />

</form>

</body>

</html>

<?php

if ($\_POST) {

$no = $\_POST['number'];

$sum = 0;

for ($i = 1; $i < $no; $i++) {

if ($no % $i == 0)

$sum = $sum + $i;

}

if ($sum == $no)

echo "Perfect Number";

else if ($sum > $no)

echo "Abundant Number";

else

echo "Deficient Number";

}

?>

18.Write an html page to display a list of fruits in a list box

<html>

<body>

<form action="" method="POST">

Choose any fruit

<select name="fruits">

<option value="Grape">Mango</option>

<option value="Grape">Grape</option>

<option value="Banana">Banana</option>

<option value="Chicku">Chicku</option>

<option value="Apple">Apple</option>

<option value="Orange">Orange</option>

<option value="Pine Apple">Pine Apple</option>

</select><br><br>

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

</form>

</body>

</html>

<?php

if ($\_POST) {

echo "<h2> You have selected : </h2>";

echo $\_POST["fruits"];

}

?>

14. Reverse of a string

<html>

<body>

<form action="" method="POST">

Enter the string :

<input type="text" name="str" />

<input type="submit" />

</form>

</html>

<?php

if ($\_POST) {

$string = $\_POST["str"];

$len = strlen($string);

for ($i = ($len - 1); $i >= 0; $i--) {

echo $string[$i];

}

}

?>

12.Fibonacci series

<html>

<body>

<h2>Fibonacci Series</h2>

<form action="" method="post">

Enter the number :

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

<input type="submit" />

</form>

</body>

</html>

<?php

if ($\_POST) {

$firstTerm = 0;

$secondTerm = 1;

$n = $\_POST['number'];

while ($firstTerm <= $n) {

echo $firstTerm . "</br>";

$nextTerm = $firstTerm + $secondTerm;

$firstTerm = $secondTerm;

$secondTerm = $nextTerm;

}

}

?>

13. Create a php program to display the biodata of a person by reading the personal details using an HTML page

<html>

<body>

<form action="" method="POST">

<H1>Biodata</h1>

Name:<input type=text name="name1"><br><br>

Address: <textarea name=address> </textarea><br><br>

Age: <input type=text name=age><br><br>

Phone: <input type=text name=phone><br><br>

Email: <input type=text name=email><br><br>

Educational Qualification:<input type=text name=qualification><br>

<input type=submit value=Display><br><br>

</form>

</body>

</html>

<?php

if ($\_POST) {

echo "<h1>Biodata</h1>";

echo "Name: " . $\_POST["name1"] . "<br>";

echo "Address: " . $\_POST["address"] . "<br>";

echo "Age: " . $\_POST["age"] . "<br>";

echo "Mobile: " . $\_POST["phone"] . "<br>";

echo "Email: " . $\_POST["email"] . "<br>";

echo "Qualification: " . $\_POST["qualification"] . "<br>";

}

?>

16.Login Page-Database Connectivity

<html>

<head> </head>

<body>

<h1>Login</h1>

<form action="" method="POST">

Username:<input type="text" name="usr"><br><br>

Password:<input type="password" name="pass"><br><br><br>

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

</form>

</body>

</html>

<?php

if ($\_POST) {

$usrname = $\_POST['usr'];

$passwd = $\_POST['pass'];

$dbname = "login";

$con = mysqli\_connect("localhost","root", "password",$dbname);

if ($con) {

echo "Successfully Connected.";

$qry = "select username,password from login where username='$usrname and password='$passwd'";

$result = mysqli\_query($con, $qry);

$nos = mysqli\_num\_rows($result);

if ($nos)

echo " <br> $usrname, You are Logged Successfully...";

else

echo "Incorrect username or password";

}

else{

echo "Error Connecting to the database";

}

}

?>

20.Student database

<html>

<body>

<h1>Marksheet</h1>

<form method="POST" action="">

Regno: <input type="text" name="txtreg" />

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

</form>

</body>

</html>

<?php

if ($\_POST) {

$rg = $\_POST['txtreg'];

echo $rg;

$con = mysqli\_connect("localhost","user","password","database");

if ($con)

echo "Successfully Connected.";

$qry = "select \* from result where regno=$rg";

$result = mysqli\_query($con, $qry);

$nos = mysqli\_num\_rows($result);

while ($row = mysqli\_fetch\_row($result)) {

echo "<br>\n";

echo "rollno: $row[0] name: $row[1] mark: $row[2] grade: $row[3]";

}