**WEB LAB PROGRAMS**

**---------------------------------------------------------------------------**

**Program 1: (1.html)**

<!DOCTYPE html>

<html>

<head>

<title>program1</title>

<style type="text/css">

table,td,th

{

border:1px solid black;

width:33%;

text-align:center;

background-color:grey;

border-collapse:collapse;

}

table{margin:auto;}

input{text-align:right;}

</style>

<script type="text/javascript">

function calc(click\_id)

{

var val1=parseFloat(document.getElementById("value1").value);

var val2=parseFloat(document.getElementById("value2").value);

if(isNaN(val1)||isNaN(val2))

alert("enter a valid number");

else if(click\_id=="add")

document.getElementById("answer").value=val1+val2;

else if(click\_id=="sub")

document.getElementById("answer").value=val1-val2;

else if(click\_id=="mul")

document.getElementById("answer").value=val1\*val2;

else //if(click\_id=="div")

document.getElementById("answer").value=val1/val2;

/\* {

if(val2==0)

{

alert("number is invalid")

}

}\*/

}

function cls()

{

value1.value="0";

value2.value="0";

answer.value="";

}

</script>

</head>

<body>

<table>

<tr><th colspan="4">SIMPLE CALCULATOR</th></tr>

<tr>

<td>value 1:</td>

<td><input type="text"name="value1"id="value1"value="0"/></td>

<td>value 2:</td>

<td><input type="text"name="value2"id="value2"value="0"/></td>

</tr>

<tr>

<td><input type="button" name="add" id="add" value="addition" onclick="calc(this.id)"/></td>

<td><input type="button" name="sub" id="sub" value="Subtraction" onclick="calc(this.id)"/></td>

<td><input type="button" name="mul" id="mul" value="multiplication" onclick="calc(this.id)"/></td>

<td><input type="button" name="div" id="div" value="Division" onclick="calc(this.id)"/></td>

</tr>

<tr>

<td>Answer:</td>

<td><input type="text"name="answer"id="answer"value=""disabled/></td>

<td colspan="2"><input type="button" name="cls" id="cls" value="CLEAR ALL" onclick="cls()"/></td>

</tr>

</table>

</body>

</html>

**---------------------------------------------------------------------------**

**Program 2: (2.html)**

<!DOCTYPE html>

<html>

<head>

<title>program2</title>

<style>

table,td,tr

{

border:1px solid black;

width:33%;

text-align:center;

background-color:lightblue;

border-collapse:collapse;

}

table{margin:auto;}

</style>

<script type=text/javascript>

document.write("<table><tr><th colspan='3'>number from 0 to 10 with their square and cubes </th></tr>");

document.write("<tr><th>number</th><th>square</th><th>cube</th></tr>");

for (var n=0;n<=10;n++)

{

document.write("<tr><td>"+n+"</td><td>"+n\*n+"</td><td>"+n\*n\*n+"</td></tr>");

}

document.write("</table>");

</script>

</head>

</html>

**---------------------------------------------------------------------------**

**Program 3: (3.html)**

<!DOCTYPE html>

<html>

<head>

<style>

p{

position:absolute;

top:50%;

left:50%;

transform:translate(-50%,-50%)

}

</style>

</head>

<body>

<p id="demo"></p>

<script type="text/javascript">

var var1=setInterval(timer,1000);

var fs=5;

var ids=document.getElementById("demo");

function timer(){

ids.innerHTML="TEXT GROWING";

ids.setAttribute('style',"font-size:"+fs+"px;color:red");

fs+=5;

if(fs>=50){

clearInterval(var1);

var var2=setInterval(detimer,1000);

}

}

function detimer(){

fs-=5;

ids.innerHTML="TEXT SHRINKING";

ids.setAttribute('style',"font-size:"+fs+"px;color:blue");

if(fs==5){

clearInterval(var2);

}

}

</script>

</body>

</html>

**---------------------------------------------------------------------------**

**Program 4: (4.html)**

<!DOCTYPE html>

<html>

<body>

<script type="text/javascript">

var str=prompt("enter input","");

if(!(isNaN(str)))

{

var num,rev=0,rem;

num=parseInt(str);

while(num!=0)

{

rem=num%10;

num=parseInt(num/10);

rev=rev\*10+rem;

}

alert("reverse of "+str+" is "+rev);

}

else

{

str=str.toUpperCase();

for(var i=0;i<str.length;i++)

{

var chr=str.charAt(i);

if(chr=='A'||chr=='E'||chr=='I'||chr=='O'||chr=='U')

break;

}

if(i<str.length)

alert("the position of left most vowel is"+(i+1));

else

alert("no vowel found");

}

</script>

</body>

</html>

**---------------------------------------------------------------------------**

**Program 5: (5.css & 5.xml)**

**~~5.css~~**

student{

display:block;

margin-top:12px;

color:navy;

}

USN{

display:block;

margin-left:10px;

font-size:12pt;

color:blue;

}

Uname{

display:block;

margin-left:10px;

font-size:12pt;

color:red;

}

college{

display:block;

margin-left:10px;

font-size:12pt;

color:blue;

}

branch{

display:block;

margin-left:10px;

font-size:12pt;

color:green;

}

year{

display:block;

margin-left:10px;

font-size:12pt;

color:purple;

}

email{

display:block;

margin-left:10px;

font-size:12pt;

color:blue;

}

**~~5.xml~~**

<?xml-stylesheet href="5css.css"?>

<html>

<head>

<h1>STUDENTS DESCRIPTION</h1>

</head>

<students>

<student>

<USN>USN:4RA16CS005</USN>

<Uname>NAME:TEST1</Uname>

<college>COLLEGE:RIT</college>

<branch>BRANCH:CSE</branch>

<year>YEAR:2019</year>

<email>EMAIL:test1@gmail.com</email>

</student>

<student>

<USN>USN:4RA16CS026</USN>

<Uname>NAME:TEST2</Uname>

<college>COLLEGE:MIT</college>

<branch>BRANCH:MEC</branch>

<year>YEAR:2019</year>

<email>EMAIL:test2@gmail.com</email>

</student>

<student>

<USN>USN:4RA16CS027</USN>

<Uname>NAME:TEST3</Uname>

<college>COLLEGE:MCE</college>

<branch>BRANCH:EC</branch>

<year>YEAR:2019</year>

<email>EMAIL:test3@gmail.com</email>

</student>

</students>

</html>

**---------------------------------------------------------------------------**

**Program 6: (6.php)**

<?php

print "<h3> REFRESH PAGE </h3>";

$name="counter.txt";

$file=fopen ($name,"r");

$hits=fscanf ($file,"%d");

fclose ($file);

$hits[0]++;

$file=fopen($name,"w");

fprintf($file,"%d",$hits[0]);

fclose($file);

print "total number of views:".$hits[0];

?>

**---------------------------------------------------------------------------**

**Program 7: (7.php)**

<!DOCTYPE html>

<html>

<head>

<title>program7</title>

<meta http-equiv="refresh" content="1"/>

<style type="text/css">

p{

color:white;

font-size:99px;

position:absolute;

top:35%;

left:50%;

transform:translate(-50%,-50%);

}

body{

background-color:blue;

}

</style>

</head>

<body>

<p><?php echo date("h:i:s A");?></p>

</body>

</html>

**---------------------------------------------------------------------------**

**Program 8: (8a.php)**

<html>

<head>

<style>

table,th,td{

border:solid 1px black;

text-align:center;

width:33%;

border-collapse:collapse;

background-color:gray;

}

table{margin:auto;}

input,p{text-align:right;}

</style>

</head>

<body>

<form method="post">

<table>

<caption>

<h2>Simple Calculator 4RA16CS053</h2>

</caption>

<tr>

<td>First Number</td>

<td><input type="text"name="num1"/></td>

<td rowspan="2"><input type="submit"name="submit"value="calculate"/>

</td>

</tr>

<tr>

<td>Second Number</td>

<td><input type="text"name="num2"/></td>

</tr>

</form>

<?php

if(isset($\_POST['submit']))

{

$num1=$\_POST['num1'];

$num2=$\_POST['num2'];

if(is\_numeric($num1) and is\_numeric($num2))

{

echo"<tr><td>addition</td>

<td><p>".($num1+$num2)."</p></td></tr>";

echo"<tr><td>substraction</td>

<td><p>".($num1-$num2)."</p></td></tr>";

echo"<tr><td>multiplication</td>

<td><p>".($num1\*$num2)."</p></td></tr>";

echo"<tr><td>division</td>

<td><p>".($num1/$num2)."</p></td></tr>";

echo"</table>";

}

else

{

echo"<script type='text/javascript'>

alert('enter a valid number');</script>";

}

}

?>

</body>

</html>

**---------------------------------------------------------------------------**

**Program 8: (8b.php)**

<?php

$a=array(array(1,2,3),array(4,5,6),array(7,8,9));

$b=array(array(7,8,9),array(4,5,6),array(1,2,3));

$m=count($a);

$n=count($a[2]);

$p=count($b);

$q=count($b[2]);

echo"the first matrix:"."<br/>";

for($row=0;$row<$m;$row++)

{

for($col=0;$col<$n;$col++)

echo" ".$a[$row][$col];

echo "<br/>";

}

echo"the second matrix:"."<br/>";

for($row=0;$row<$p;$row++)

{

for($col=0;$col<$q;$col++)

echo" ".$b[$row][$col];

echo "<br/>";

}

echo"the transpose of first matrix:"."<br/>";

for($row=0;$row<$m;$row++)

{

for($col=0;$col<$n;$col++)

echo" ".$a[$col][$row];

echo "<br/>";

}

echo"the transpose of second matrix:"."<br/>";

for($row=0;$row<$p;$row++)

{

for($col=0;$col<$q;$col++)

echo" ".$b[$col][$row];

echo "<br/>";

}

if(($m===$p)and($n===$q))

{

echo"the addition of matrix is :"."<br/>";

for($row=0;$row<3;$row++)

{

for($col=0;$col<3;$col++)

echo " ".$a[$row][$col]+$b[$row][$col]." ";

echo "<br/>";

}

}

if($n===$p)

{

echo"the multiplication of matrices :<br/>";

$result=array();

for($i=0;$i<$m;$i++)

{

for($j=0;$j<$q;$j++)

{

$result[$i][$j]=0;

for($k=0;$k<$n;$k++)

$result[$i][$j]+=$a[$i][$k]+$b[$k][$j];

}

}

for($row=0;$row<$m;$row++)

{

for($col=0;$col<$q;$col++)

echo" ".$result[$row][$col];

echo"<br/>";

}

}

?>

**---------------------------------------------------------------------------**

**Program 9: (9.php)**

<?php

$states="Mississippi alabama texas massachusetts kansas";

$statesArray=[];

$states1=explode(' ',$states);

echo"Original Array:<br/>";

foreach($states1 as $i=>$value)

print("STATES[$i]=$value<br/>");

foreach($states1 as $state)

{

if(preg\_match('/xas$/',($state)))

$statesArray[0]=($state);

}

foreach($states1 as $state)

{

if(preg\_match('/^k.\*s$/i',($state)))

$statesArray[1]=($state);

}

foreach($states1 as $state)

{

if(preg\_match('/^M.\*s$/',($state)))

$statesArray[2]=($state);

}

foreach($states1 as $state)

{

if(preg\_match('/a$/',($state)))

$statesArray[3]=($state);

}

echo"<br/><br/>Resultant Array:<br/>";

foreach($statesArray as $array=>$value)

print("STATES[$array]=$value<br/>");

?>

**---------------------------------------------------------------------------**

**Program 10: (10.php)**

<!DOCTYPE html>

<html>

<head>

<style>

table,th,td

{

border:1px solid black;

width:35%;

text-align:center;

border-collapse:collapse;

background-color:yellow;

}

table{margin:auto;}

</style>

</head>

<body>

<?php

$servername="127.0.0.1";

$username="root";

$password="password";

$dbname="rec";

$c=[];

$conn=mysqli\_connect($servername,$username,$password,$dbname);

if($conn->connect\_error)

die("connection failed:".$conn->connect\_error);

$sql="SELECT \* from student";

$result=$conn->query($sql);

echo"<br>";

echo"<center>BEFORE SORTING</center>";

echo"<table border='2'>";

echo"<tr>";

echo"<th>USN</th><th>NAME</th><th>ADDRESS</th></tr>";

if($result->num\_rows>0)

{

while($row=$result->fetch\_assoc()){

echo"<tr>";

echo"<td>".$row["USN"]."</td>";

echo"<td>".$row["NAME"]."</td>";

echo"<td>".$row["ADDRESS"]."</td></tr>";

array\_push($c,$row["NAME"]);

}

}

else

echo"table is empty";

echo"</table>";

$n=count($c);

$b=$c;

for($i=0;$i<($n-1);$i++)

{

$pos=$i;

for($j=$i+1;$j<$n;$j++){

if($c[$pos]>$c[$j])

$pos=$j;

}

if($pos!=$i)

{

$temp=$c[$i];

$c[$i]=$c[$pos];

$c[$pos]=$temp;

}

}

$a=[];

$d=[];

$result=$conn->query($sql);

if($result->num\_rows>0)

{

while($row=$result->fetch\_assoc())

{

for($i=0;$i<$n;$i++)

{

if($row["NAME"]==$c[$i])

{

$a[$i]=$row["USN"];

$d[$i]=$row["ADDRESS"];

}

}

}

}

echo"<br>";

echo"<center>AFTER SORTING</center>";

echo"<table border='2'>";

echo"<tr>";

echo"<th>USN</th><th>NAME</th><th>ADDRESS</th></tr>";

for($i=0;$i<$n;$i++)

{

echo"<tr>";

echo"<td>".$a[$i]."</td>";

echo"<td>".$c[$i]."</td>";

echo"<td>".$d[$i]."</td></tr>";

}

echo"</table>";

$conn->close();

?>

</body>

</html>

**---------------------------------------------------------------------------**

* **THANK YOU** ☺

**---------------------------------------------------------------------------**

**- By @2598**

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**HARSHI**