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7th Sem A
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Web Technology
Lab with
mini project
17CSL77

PROGRAM :-

Want a fullstack to design a simple calculator
to perform the following operations: sum, product,
difference & quotient.

PROGRAM.html

```
<!DOCTYPE html>
<html>
<head>
<center>
<body>
<form name = "calculator" >
<Table border = "3" >
<tr> <td colspan = "4" > <input name = "display" 
id = "display" readonly > </td> </tr>
<td> <input type = "button" Value = "1" onclick = "
calculator.display.value + = '1'" > </td>
<td> <input type = "button" Value = "2" onclick = "
calculator.display.value + = '2'" > </td>
<td> <input type = "button" Value = "+" onclick = "
calculator.display.value + = '+' > </td> </tr>
```

<td> <input type = "button" value = "4" onclick = "calculator.display.value += '4'"></td>

<td> <input type = "button" value = "5" onclick = "calculator.display.value += '5'"></td>

<td> <input type = "button" value = "6" onclick = "calculator.display.value += '-'></td>

<td>

<td> <input type = "button" value = "7" onclick = "calculator.display.value += '>'></td>

<td> <input type = "button" value = "8" onclick = "calculator.display.value += '8'"></td>

<td> <input type = "button" value = "9" onclick = "calculator.display.value += '9'"></td>

<td> <input type = "button" value = "+" onclick = "calculator.display.value += '+'></td>

<td> <input type = "button" value = "x" onclick = "calculator.display.value += 'x'"></td>

<td>

<td> <input type = "button" value = "c" onclick = "calculator.display.value += 'c'"></td>

<td> <input type = "button" value = "0" onclick = "calculator.display.value += '0'"></td>

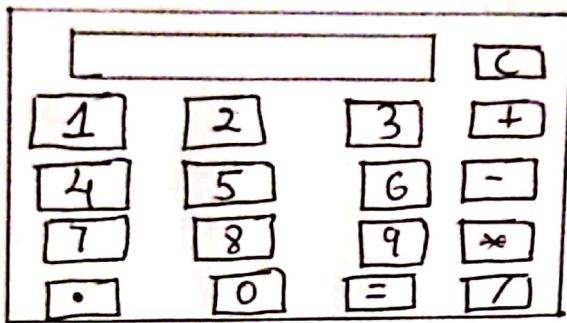
<td> <input type = "button" value = "=" onclick = "calculator.display.value += '='"></td>

```

<td> <input type = "button" Value = "1" onclick =
"calculator.display.Value += '1'"> </td>
</td>
</tr>
</table>
</form>
</body>
</html>

```

output



Test cases:-

Test no	Input parameter	expected output	observed output	Remarks
1	Value 1 = 50.56 Value 2 = 24.34	Addition = 74.95 Subtraction = 26.17 Multiplication = 1233 Division = 2.0729	Addition = 74.95 Subtraction = 26.17 Multiplication = 1233.5 Division = 2.072930	PASS
2.)	Value 1 = 0 Value 2 = 45	Addition = 45 Subtraction = 45 Multiplication = 0 Division = 0	Addition = 45 Subtraction = -45 Multiplication = 0 Division = 0	PASS
3.)	Value 1 = 45 Value 2 = 0	Addition = 45 Subtraction = 45 Multiplication = 0 Division = infinity	Addition = 45 Subtraction = 45 Multiplication = 0 Division = infinity	PASS

4.)	Value 1 = abc Value 2 = 23	Enter Valid numbers	Enter Valid numbers	PASS
5.)	Value = 50 Value = XYZ	Enter Valid numbers	Enter Valid numbers	PASS

2.1 Write a JavaScript that calculates the square and cubes of the numbers from 0 to 10 & outputs HTML text that displays the resulting values in an HTML Table format.

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program s - h e r n L.

```
<html>
<head>
<script>
document.write('<tbl align="right"> Squares of  
cubes of the numbers from 0 to 10</tbl>');
document.write('<center> <Table width="30%">  
 border="1" border="white"> ');
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>
```

output :-

Numbers from 0 to 10 with their squares
and cubes.

number	Square	Cube
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

3) Write a javascript code that displays first "Text-BROWN IN BOX" with increasing font size in the interval of 100ms in Red color, when its font size reaches 50 it displays "Text-shrinking" in Blue color. Then its font size decreases to 50 + Program HTML.

```
<!DOCTYPE html>
<html>
<body>
<p id="Myp1"> Text-BROWN IN BOX </p>
<p id="Myp2"> Text-shrinking </p> </body>
<script>
Var sri = 10 ;
Var i=0 ;
Var myWait1 = setInterval (GrowText1, 100);
function GrowText1()
{
    if (sri <= 51)
    {
        sri = sri + 1;
        document.getElementById ("Myp1").style.fontSize = (sri + 10) + "px";
        document.getElementById ("Myp1").style.color = "red";
    }
    else
    {
        clearInterval (myWait1);
        myWait1 = setInterval (ShrinkText1, 100);
        document.getElementById ("Myp1").style.visibility = "hidden";
    }
}
```

```

document.getElementById("myP1").style.fontSize = "10px";
document.getElementById("myP2").style.visibility = "visible";
}
}

function shrinkText() {
    if (swi > 5) {
        swi = swi - 1;
        document.getElementById("myP2").style.fontSize = swi + 'px';
    }
    else {
        alert("Swi is less than or equal to 5");
    }
}

```

TEXT-GROW | ~~EN~~ G1

Just shrinking

- 4.) develop & demonstrate a HTML file that includes JavaScript script that uses functions for the following problems:
 - a.) parameter: A string
 - b.) output: The position in the string of the last-most vowel.
 - c.) parameter: A number.
 - d.) output: the number with its digits in the reverse order.

Program 4. HTML

```
<!DOCTYPE HTML>
<HTML>
<body>
<script type="text/javascript">
var str = prompt("Enter a input");
if (!isNaN(str))
{
    var num, sum = 0, remainder;
    num = parseInt(str);
    while (num != 0) {
        remainder = num % 10;
        num = parseInt(num / 10);
        sum = sum * 10 + remainder;
    }
    alert("Reverse of "+str+" is "+sum);
}
```

Ques

```
Q str
str = str.toUpperCase();
for (var i = 0; i < str.length; i++) {
    var ch = str.charAt(i);
    if (ch == 'A' || ch == 'E' || ch == 'I' ||
        ch == 'O' || ch == 'U') break;
}
if (i < str.length)
    alert("The position of the left most vowel
is " + (i + 1));
```

else

```
    alert ("No vowel found in the entered  
    string");
```

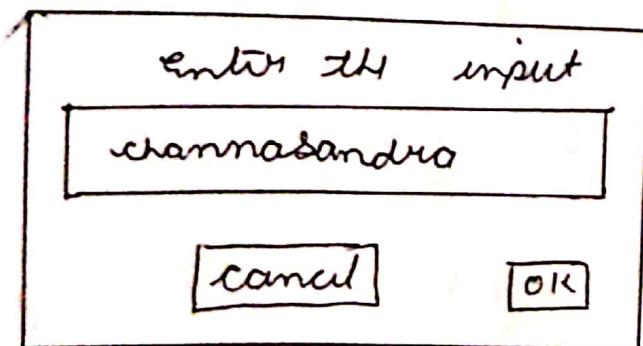
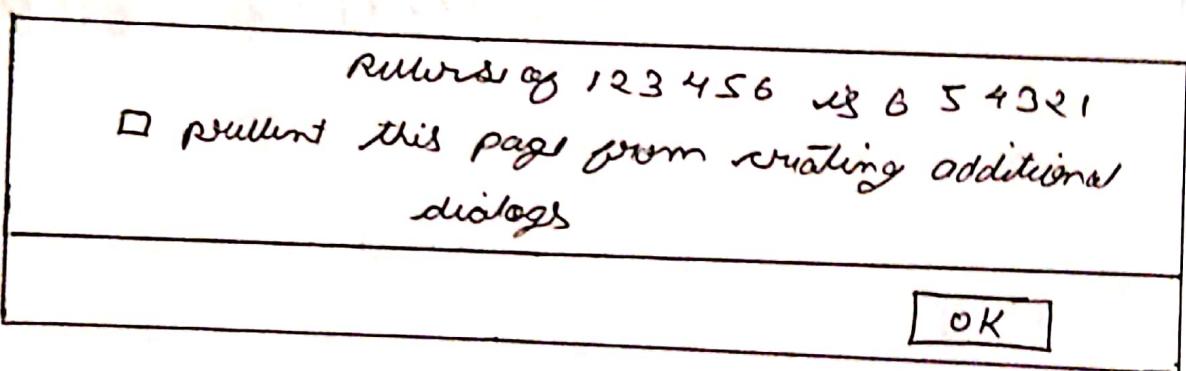
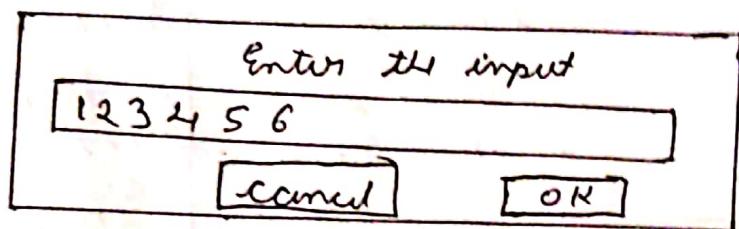
}

```
</script>
```

```
</body>
```

```
</html>
```

Output :-



The position of the left most vowel is 3

prevent this page from receiving additional dialog

OK

Test cases:-

Test no:	Input parameters	expected output	obtained output	Remarks
1	12 3	Reverse of 123 is 321	Reverse of 123 is 321	PASS
1.	channasondra	The position of the left most vowel is 3	The position of the left most vowel is 3	PASS
2.	SKY	No vowel found in the entered string	No vowel found in the entered string	PASS
3.	MVK70	The position of the left most vowel is 5	The position of the left is 5	PASS

S.1 Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, name of the college, Branch, Year of joining & e-mail id. Make up example data for 3 students write a CSS style sheet and use it to display the document.

Program 5. XML

```
<?xml-stylesheet type = "text/css" href = "style.css"?>
<!DOCTYPE HTML>
<html>
  <head>
    <title> Student's Description </title>
  </head>
  <body>
    <student>
      <usn>USN : 4SUI7CS059 </usn>
      <name> NAME : Bejish </name>
      <college> COLLEGE : SDM IT </college>
      <branch> BRANCH : Computer Science &
                Engineering </branch>

      <year> Year : 2021 </year>
      <e-mail> E-mail : Bejishpagaiji@gmail.com </e-mail>
    </student>
    <student>
      <usn> USN : 4SUI7CS0599 </usn>
```

<name> name : RAJENDRA KUMAR </name>
<college> COLLEGE : SDM IIT </college>
<branch> Branch : computer science & engineering
</branch>
<Year> Year : 2021 </Year>
<e-mail> E-mail : adwan@gmail.com </e-mail>
</student>

<Student>
<USN> USN : 45017CS041 </USN>
<name> name : Rishabh </name>
<college> COLLEGE : SDM IIT </college>
<branch> BRANCH : computer science & eng
</branch>
<Year> Year : 2021 </Year>
<e-mail> E-mail : rish@gmail.com </e-mail>
</student>

</Students>

<HTML>

programs.css

student {

display: block; margin-top: 10px; color: navy;
}

USN

display: block; margin-left: 10px; font-size: 14px;
color: red;

}

name {
display: block; margin-left: 20px; font-size: 18pt;
color: maroon;
}

branch {
display: block; margin-left: 20px; font-size: 18pt;
color: purple;
}

Year {

display: block; margin-left: 20px; font-size: 14pt;
color: green;

}

e-mail {

display: block; margin-left: 20px; font-size: 18pt;
color: blue;

}

Output:-

student description

USN:- 4SU17CS059.

NAME:- Brijesh

College:- SDM IT

BRANCH:- computer science & engineering
Year:- 2021

email :- brijeshpogari@gmail.com.

USN:- 4SU17CS0599

Name:- SUVARSHAN

College:- SDM IT

Branch :- computer science & engineering
Year :- 2021
Email :- sudar@gmail.com

USN :- 4SUI7CS041

Name :- nishanth

College :- SDM IT

Branch :- computer science & eng

Year :- 2021

Email :- nist@gmail.com.

~~67PP~~

6.2 PROGRAMMING

Write a PHP program to keep track of the number of visitors arriving at the page and to display the count of visitors with proper wording.

Program 6.php :-

6.2.PHP

```
print "<A> REFRESH PAGE <1h30>.  
$name = "counter.txt";  
$file = fopen($name, "r");  
$hits = fscanf($file, "%d");  
fclose($file);  
$hits += 1;  
$file = fopen($name, "w");  
fprintf($file, "%d", $hits);  
fclose($file);  
print "Total number of visitors:", $hits[0];  
?>
```

Output :-

REFRESH PAGE

Total number of visitors: 10.

7.) Write a PHP program to display a digital clock.
which display the current time of the server.

Program7.php

```
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="refresh" content="1" />
<style>
p {
    color: white;
    font-size: 90px;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}
body {
    background-color: black;
}
</style>
<p><?php echo date("h:i:s A"); ?></p>
</head>
<output>
```

10:44:08 AM

Program 10.

Write a PHP program to print the student records which are stored in the database using Select query.

Program 10.php

```
<!DOCTYPE html>
<html>
  <body>
    <style>
      table, td, th {
        border: 1px solid black;
        width: 33.33333333333333% ;
        text-align: center;
        border-collapse: collapse;
        background-color: lightblue;
      }
      table { margin: auto; }
    </style>
    <?php
      $servername = "localhost";
      $username = "root";
      $password = "root";
      $dbname = "weblab";
      $a = [];
    
```

```

$ 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 "<html>";

echo "<center> Bycru Scrolling </center>";

echo "<Table border='1'>";

echo "<tr>";

echo "<th> USN </th> <th> Name </th> <th> Address </th> <th> </th>";

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["addr"] . "</td> <td> </td>";
        echo "</tr>";

        array_push ($a, $row["USN"]);
    }
}

else
    echo "Table is Empty";
    echo "</Table>";
}

```

$\$n = \text{count}(\$a);$
 $\$b = \$a;$
for ($i = 0; i < (\$n - 1); i++$)
{
 \$pos = \$i;
}

for (\$s = \$i + 1; \$s < \$n; \$s++) {
 if (\$a[\$pos] > \$a[\$s])
 \$pos = \$s;
}

}
if (\$pos != \$i) {

\$Jump = \$a[\$i];
 \$a[\$i] = \$a[\$pos];
 \$a[\$pos] = \$Jump;

}

}

\$c = [];

\$a = [];

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

if (\$result->num_rows > 0)

while (\$row = \$result->fetch_assoc()) {

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

if (\$row["usn"][\$i] == \$a[\$i]) {

\$c[\$i] = \$row["name"][\$i];

\$a[\$i] = \$row["addr"][\$i];

\$d[\$i] = \$row["addr"][\$i];

}

}

}

5

```
echo "<body>\n"
echo "<center> after sorting & printed >\n"
echo "<table border='2'>\"\n"
echo "<></>\"\n"
echo "<th> USN </th> <th> name </th>\n"
<th> Address </th> </th>\";\n"
for ($i = 0; $i < $n; $i++) {\n    echo "<td>\";\n    echo "<td>" . $a[$i] . "</td>\";\n    echo "<td>" . $c[$i] . "</td>\";\n    echo "<td>" . $d[$i] . "</td> </td>\";\n"
}
```

3

```
echo "</table>\";\n"
$renn -> close();
```

? >

```
<body>\n</HTML>
```

Output:

Before sorting

USN	NAME	Address
4SU17CS019	niranjani	Bangalore
4SU17CS008	Darshan	Mysuru
4SU17CS004	Anusha	IISER
4SU17CS042	Vandana	Bellary

After sorting

USN	NAME	ADDRESS
4SU17CS004	Anusha	IISER
4SU17CS008	Darshan	Mysuru
4SU17CS019	niranjani	Bangalore
4SU17CS042	Vandana	Bellary