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LAB Observation

## WEB TECHNOLOGY LABORATORY WITH MINI PROJECT

LAB Observation.

Department of Computer Science  
and Engineering, ~~Engineering~~

1. Write a Javascript to design a simple calculator to perform the following operation : Sum, product, difference and quotient  
Program.html

```
<!DOCTYPE>
<html>
<head>
<linkrel = "stylesheet" href = "sty.css">
</head>
<center>
```

```
<!DOCTYPE html>
<html> "mimi" , nothing > </html>
<head>
    <link rel="stylesheet" href="style.css" />
</head>
<center>
<body>
<form name="calculator">
    <table border="3">
        <tr><td colspan="4"><input type="button" value="1" onclick="calculator.display.value = '1'" /></td>
        <td><input type="button" value="2" onclick="calculator.display.value = '2'" />
        <td><input type="button" value="3" onclick="calculator.display.value = '3'" />
        <td><input type="button" value="+" onclick="calculator.display.value += '+'"/>
        <tr><td><input type="button" value="4" onclick="calculator.display.value = '4'" />
```

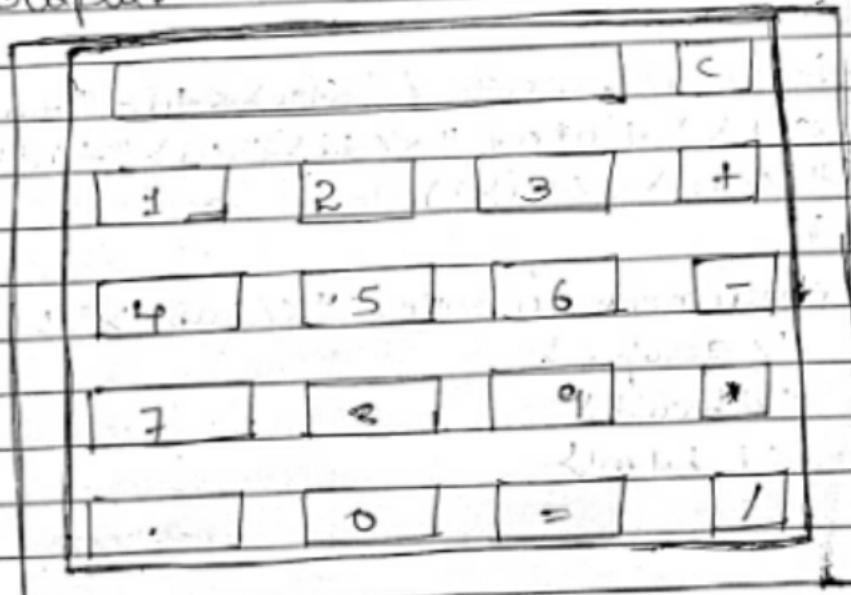
```
<td>
<input type = "button" value = "5"
onclick = "calculator.display.value += '5'">
</td>
<td><input type = "button" value = "6"
onclick = "calculator.display.value += '6'">
<td>
<td><input type = "button" value = "- "
onclick = "calculator.display.value += '-'">
</td>
<td>
<td><input type = "button" value = "7"
onclick = "calculator.display.value += '7'">
</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>
<td><input type = "button" value = "."
onclick = "calculator.display.value += '.'">
</td>
<td><input type = "button" value = "0"
onclick = "calculator.display.value += '0'">
</td>
<td><input type = "button" value = "=">
```

```

onclick="calculator.display.value =
oval(calculator.display.value)"><td>
<td><input type="button" value="/" onclick=
="calculator.display.value += '/'"></td>
</td>
<td>
<td><input type="button" value="c" onclick=
="calculator.display.value = ''"></td>
<td><input type="button" value="%"/><td>
="calculator.display.value += '%'></td>
</td>
</table>
</form>
</body>
</center>
</html>

```

### Output:



2. Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

Program 2.html

```
<html>
<head>
<script>
document.write('<h1 align = "right">
Squares and Cube of the number from
0 to 10 </h1>');
document.write('<center><table width =
"30%." border = "1" bordercolor = "white">');
document.write(" <tr> <th> Number
</th> <th> Square </th> <th> Cube </th></tr>");
">;
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 text "TEXT-GROWING" with increasing font size in the interval of 100ms in RED COLOR, when the font size reaches 5pt it displays "TEXT-SHRINKING" in BLUE color. Then the font size decreases to 5pt.

Program 3.html

```
<!DOCTYPE html>
<html>
<body>
<p id="myP1"> TEXT-GROWING </p>
<p id="myP2"> TEXTSHRINKING </p>
</body>
<script>
var size = 10;
var i = 0;
var myWait = SetInterval(GrowText, 100);
function GrowText() {
}

```

if (size < 5)

size = size + 1;

document.getElementById("myP1").

style.fontSize = (size + "pt");

document.getElementById("myP1").

style.color = "red";

} //

else

{

clearInterval(myInterval);

myInterval = setInterval(ShrinkText1, 100);

document.getElementById("myP1").

style.visibility = "hidden";

document.getElementById("myP1").

style.fontSize = "1pt";

document.getElementById("myP2").

style.visibility = "visible";

}

}

function ShrinkText1()

{

if (size > 5)

{

size = size - 1;

document.getElementById("myP2").

style.fontSize = (size + "pt");

Output:-

TEXT - GROWING

TEXT SHRINKING

4. Develop and demonstrate a HTML file that includes JavaScript script that uses functions for the following problems;
- Parameter: A String
  - Output: The position in the string of the left-most vowel
  - Parameter: A number
  - Output: The number, with its digits in the reverse order

Program4.html

```
<!DOCTYPE HTML>
<html>
```

```
<body>
```

```
<script type = "text/javascript">
```

```
var str = prompt ("Enter the Input","");
if (! isNaN(str))
```

```
{
    >
```

```
    var num, rev = 0, remainder;
```

```
    num = parseInt(str);

```

```
    while (num != 0) {

```

```
        remainder = num % 10;

```

```
        num = parseInt(num/10);

```

```
        rev = rev * 10 + remainder;
    }

```

```
    alert ("Reverse of "+str+" is "+rev);
}
```

```
else
```

```
{
```

```
    str = str.toUpperCase();

```

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

```

```
        var char = str.charAt(i);

```

```
        if (char == 'A' || char == 'E' || char == 'I')

```

```
            char = 'O'; if (char == 'U') char = 'E';
        }
    }
}
```

```
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:-

Enter the Input-

123456

[Cancel]

[OK]

Reverse of 123456 is 65431

Prevent this page from creating additional dialogs

[OK]

Enter the Input-

channa sandra

[Cancel]

[Ok]

The position of the left most vowel is 3

Prevent this page from creating additional dialogs

[Ok]

Q. Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, and Name of the college, Branch, year of joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.

Programs.htm

<?xml-stylesheet type = "text/css" href = "S.css"?>

<!DOCTYPE HTML>

<html>

<head>

<title> STUDENTS DESCRIPTION </title>

</head>

<student>

<usn> USN : 1234567890 </usn>

<name> NAME : SANDESH </name>

<college> COLLEGE : S D M I T </college>

<branch> BRANCH : Computer Science and  
Engineering </branch>

<year> YEAR : 2017 </year>

<e-mail> E-MAIL : sandesh@gmail.com

</e-mail>

</student>

<student>

<usn> USN : 4321098765 </usn>

<name> NAME : MANOJESH </name>

<college> COLLEGE : S D M I T </college>

<branch> BRANCH : Computer Science  
and Engineering </branch>

<year> YEAR : 2017 </year>

```
<e-mail> E-Mail : manasajan@gmail.com </e-mail>
</student>
<student>
  <USN> USN : 45017C3003 </USN>
  <name> NAME : CHETHAN </name>
  <college> COLLEGE : SDMIT </college>
  <branch> BRANCH : Computer Science
  and Engineering </branch>
  <year> YEAR : 2014 </year>
  <e-mail> E-Mail : chestan@gmail.
  com </e-mail>
</student>
</students>
</html>
```

program5.css

student {

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

}

USN {

```
  display: block; margin-left: 10px;
  font-size: 14pt; color: Red;
```

name {

```
  display: block; margin-left: 20px;
  font-size: 12pt; color: Maroon;
```

branch {

```
  display: block; margin-left: 20px;
  font-size: 12pt; color: Purple;
```

6. Write a PHP program to keep record of the number of visitors visiting the web page and to display this count of visitors with proper headings.  
program 6. php

```
<?php  
print "<h3> REFRESH PAGE </h3>";  
$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;  
?>
```

Output :

REFRESH PAGE

Total Number of visitors 100

- Q. Write a PHP program to display a digital clock which displays the current time of the server.

Program.php

```
<!DOCTYPE HTML>
<html>
<head>
<meta http-equiv="refresh" content="1"/>
<style>
    body {background-color: black; color: white; font-size: 70px; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%)}
</style>
<p><?php echo date("h:i:s A"); ?></p>
</head>
```

Output:

10 : 44 : 08 AM

10. Write a PHP program to Select the student records which are stored in the database using Selection SQL.

Open MySQL and then type  
create database weblab;

use weblab;

create table Student (Enrollment (10), name  
varchar (20), address varchar (20));

Programm10.php:

<!DOCTYPE html>

<html>

<body>

<style>

table, td, th

{

border: 1px solid black;

width: 30%;

text-align: center;

border-collapse: collapse;

background-color: lightblue;

}

table { margin: auto; }

</style>

<?php>

\$servername = "localhost";

\$username = "sa";

\$password = "root";

\$dbname = "weblab";

\$a = [7];

\$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 "<body>";
echo "<center> BEFORE SORTING </center>";
echo "<table border='2'>";
echo "<tr><td> USN <td> NAME <td> Address </tr><br>";
if ($result->num_rows>0)
{
    while ($row = $result->fetch_assoc())
    {
        echo "<tr>";
        echo "<td>". $row["usn"]. "</td>";
        echo "<td>". $row["name"]. "</td>";
        echo "<td>". $row["address"]. "</td></tr>";
        array_push($a, $row["usn"]);
    }
}
else
{
    echo "Table is Empty";
    echo "</table>";
    $n = count($a);
    $t = $a;
    for ($i=0; $i<($n-1); $i++)
    {
        $pos = $i;
        for ($j=$i+1; $j<$n; $j++)
        {
            if ($a[$pos]>$a[$j])
                $pos = $j;
        }
        if ($pos!= $i)
    }
}

```

\$temp = \$a[\$i];

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

\$a[\$pos] = \$temp;

{

{

\$c = [];

\$d = [];

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

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

{

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

{

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

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

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

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

{

{

{

echo "<br>";

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

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

echo "<tr>";

<td> USN </td> <td> NAME </td>

</td> Address </td> </tr>";

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

echo "<tr>";

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

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

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

{

echo "</table>";

`$conn->close();`

?>

`</body>`

`</html>`

Output:-

BEFORE SORTING

USN	NAME	Address
4SUI12CS009	Niranjan	Bengaluru
4SUI12CS008	Darshan	Mysore
4SUI12CS009	Anusha	Uppal
4SUI12CS042	Vandana	Bellandur

AFTER SORTING

USN	NAME	Address
4SUI12CS009	Anusha	Uppal
4SUI12CS008	Darshan	Mysore
4SUI12CS009	Niranjan	Bengaluru
4SUI12CS042	Vandana	Bellandur