

Expt.

1) <!DOCTYPE html>

```

<html>
<head><title>web tab pgm</title>
<style>
body {
    text-align: center;
}
.title {
    border-radius: 45px;
    margin-bottom: 30px;
    text-align: center;
    padding: 14px 15px;
    width: 1000px;
    color: red;
    background-color: red;
    border: solid black 2px;
}
input[type="text"] {
    border-radius: 10px;
    text-align: right;
    background-color: gold;
    width: 94%;
}
input[type="button"] {
    border-radius: 20px;
    background-color: blue;
    color: white;
    border-color: white;
    width: auto;
}
.h1 {
    border-radius: 45px;
    margin-bottom: 20px;
    font-align: center;
    width: 150px;
    color: red;
    background-color: pink;
    border: solid black 3px;
}

```

```

</style>
<script>
function disp(val) {
    document.getElementById('SDM').value = val;
}

function solve() {
    let x = document.getElementById('SDM').value;
    let y = eval(x);
    document.getElementById('SDM').value = y;
}

</script>
<!DOCTYPE html>
<head>
<body>
<div class="title">SDM JAVASCRIPT LAB PROGRAMME </div>
<center>
<table border="10">
<tr>
<td>
<input type="button" value="CE" onclick="d2(0)">
<input type="button" value="." onclick="d2(.)">
<td colspan="4">
<input type="text" id="SDM" value="0" style="width: 100%; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: right; margin-right: 10px;" />
<input type="button" value="1" onclick="d2(1)">
<input type="button" value="2" onclick="d2(2)">
<input type="button" value="3" onclick="d2(3)">
<input type="button" value="4" onclick="d2(4)">
<input type="button" value="5" onclick="d2(5)">
<input type="button" value="6" onclick="d2(6)">
<input type="button" value="7" onclick="d2(7)">
<input type="button" value="8" onclick="d2(8)">
<input type="button" value="9" onclick="d2(9)">
<input type="button" value="/" onclick="d2(/)">
<input type="button" value="*" onclick="d2(*)" style="margin-left: 10px; width: 40px; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: center; margin-top: 10px;" />
<input type="button" value="0" onclick="d2(0)" style="width: 40px; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: center; margin-top: 10px; margin-left: 10px;" />
<input type="button" value="+" onclick="d2(+)" style="width: 40px; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: center; margin-top: 10px; margin-left: 10px;" />
<input type="button" value="-" onclick="d2(-)" style="width: 40px; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: center; margin-top: 10px; margin-left: 10px;" />
<input type="button" value="=" onclick="solve()" style="width: 40px; height: 40px; border: none; border-bottom: 2px solid black; font-size: 20px; font-weight: bold; text-align: center; margin-top: 10px; margin-left: 10px;" />

```

Expl:

1. Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient program1.html

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="sty.css"/>
</head>
<center>
<body>
<form name="calculator">
<table border="1">
<tr><td colspan="4"><input name="display" id="display" type="text" value="0" style="width: 100%; height: 30px; border: none; font-size: 18pt;" /></td></tr>
<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="3" onclick="calculator.display.value += '3'" /></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 += '6'" /></td>
<td><input type="button" value="-" onclick="calculator.display.value += '-'" /></td>
<tr><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>
<tr><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="*" onclick="calculator.display.value += '*'" /></td>
<td><input type="button" value="%" onclick="calculator.display.value += '%'" /></td>
<tr><td colspan="4" style="text-align: center; padding-top: 10px;">2
```

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

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

<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>

<tr>

<tr>

<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 = eval(calculator.
.display.value)"></td>

<td><input type = "button" value = "/" onclick =

"calculator.display.value += '/'"></td>

<td>

<td>

(3)

<input type="button" value="c" onclick="calculator()
display.value = ""></td>

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

<td>

</table>

<form>

<body>

<center>

</html>

Output

				c
1	2	3	+	
4	5	6	-	
7	8	9	*	
.	0	=	/	

Q) Write a Javascript that calculate the square and cubes of the numbers from 0 to 10 and outputs HTML text that display the resulting values in an HTML table format

```
<html>
<head>
<script>
document.write ('<h1 align = "right">Square and cubes of
the numbers from 0 to 10</h1>');
document.write ('<center><table width = "30%" border = "1"
background-color = "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 :-

Number From 0 to 10 with their squares & cubes			
Number	Square	Cube	
0	0	0	0
1	1	1	1
2	4	8	8
3	9	27	27
4	16	64	64
5	25	125	125
6	36	216	216
7	49	343	343
8	64	512	512
9	81	729	729
10	100	1000	1000

3) Write a javascript code that displays text "Text Growing" with increasing font-size in the interval of 100ms in red colour when the font size reaches 50 it displays "Text Shiny" in blue color. Then the font size decreases to 5pt.

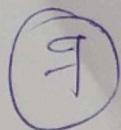
```
<!DOCTYPE html>
<html>
<head>
<title>js text program</title>
</head>
<body>
<div style = "margin-top: 200px; align: center">
<p></p>
</div>
<script>
var text = document.querySelector('p')
var font = 5;
var flag = 0;
function inc() {
    font++;
    text.style.fontSize = font + "pt";
    text.style.color = "red";
    text.textContent = "Text - Growing:" + font + "pt";
}
if (font == 50) {
    flag = 1;
}
function dec() {
    font--;
    text.style.fontSize = font + "pt";
    text.style.color = "blue";
    text.textContent = "Text - shiny:" + font + "pt";
}
if (font == 5) {
    flag = 0;
}

```

```
var time = 500; // Interval (function() {
    if (flag == 1) {
        dec();
    }
}
if (flag == 0) {
    inc();
}
}
, 100);
</script>
</body>
</html>
```

Output: TEXT - GROWING

TEXT - SHRINKING



4). Develop and demonstrate a HTML file that includes javascript shell user functions for the following problem.

①. Parameters : A string

② Output : The position in the string of the left-most digit

③. Parameters : A number

④ Output : The number with its digit in the reverse order.

→ <!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 chr = str.charAt(i);

If (chr == 'A' || chr == 'E' || chr == 'I' || chr == 'O' ||
 chr == 'U') break;

}

if ($i < str.length$)
 ans - (the position of the left most vowel is $i + (i+1)$)

else
 ans - ("No vowel found in the entered string")

}

</script>

</body>

</html>

Output :-

Enter the input

Reversal of 12345 is 654321

Prevent this page from creating addition dialogs

Enter the Input

The position of the leftmost vowel is 3

Prevent this page from creating addition dialogs

5) Design an XML document to store information about a student in a engineering college affiliated to VTU. The information must include USN, Name and Name of the college Branch, Year of Joining, and email id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document

```
<?xml-stylesheet type="text/css" href="S.css"?>
<!DOCTYPE HTML>
<html>
  <head>
    <title> STUDENTS DESCRIPTION</title>
  </head>
  <body>
    <students>
      <student>
        <USN> USN : 4SVITCS001 </USN>
        <NAME> NAME : SANTHOSH </name>
        <COLLEGE> COLLEGE : SDM IT </college>
        <branch> BRANCH : Computer Science & Engineering </branch>
        <year> YEAR : 2017 </year>
        <email> E-mail : santhosh@gmail.com </e-mail>
      </student>
      <student>
        <USN> USN : 4SVITCS002 </USN>
        <name> NAME : MANORANJAN </name>
        <college> COLLEGE : SDM IT </college>
        <branch> BRANCH : Computer Science & Engineering </branch>
        <year> YEAR : 2017 </year>
        <email> E-mail : manoranjan@gmail.com </e-mail>
      </student>
      <student>
```

<usn> USN : USUITC003 </USN>
<name> Name : CHETHAN </name>
<college> COLLEGE : SDMITS </college>
<brach> BRANCH : Computer Science & Engg.
</branch>
<year> YEAR : 2017 </year>
<e-mail> E-mail gchethan@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: 14pt;  
    color: Red;  
}  
name {  
    display: block; margin-left: 20px; font-size:  
    14pt; color: Blue;  
}  
college {  
    display: block; margin-left: 20px; font-size:  
    18pt; color: Maroon;  
}  
branch {  
    display: block; margin-left: 20px; font-size:  
    12pt; color: Purple;}
```

3 year {

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

 e-mail {

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

}

Output:

STUDENT DESCRIPTION

USN: USUITCS001

NAME: SANTOSH

COLLEGE: SDM IT

BRANCH: Computer Science & Engineering

YEAR : 2017

e-mail : santhosh@gmail.com.

USN: USUITCS002

NAME: MONORAJAN

COLLEGE: SDM IT

BRANCH: Computer Science & Engineering

YEAR : 2017

E-mail : ~~santhosh~~monorajan@gmail.com

USN: USUITCS003

NAME: CETHAN

COLLEGE: SDM IT

BRANCH: Computer Science & Engineering

YEAR : 2017

E-mail : cethan@gmail.com

6) Write a PHP program to keep track of the number of visitors, with proper headings.

Program 6.php

```
</b><h3>REFRESH PAGE </h3>
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]);
?>
```

Output:-

REFRESH PAGE

Total number of views: 10

f. Write a PHP program to display a digital clock which displays the current time of the screen

Program : .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.

10). Write a PHP program to sort the student records which are stored in the database using selection sort.

Goto MySQL and then type

```
create database webleb;
use webleb;
create table students (roll varchar(10), name varchar(20),
address varchar(20));
```

Program 10.php:

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

// make connection

// opens a new connection to the MySQL server.

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

// checks connection and return an error description from the last connection error, if any.

if (\$conn->connect_error)

die ("Connection failed: " . \$conn->connect_error);

\$sql = "SELECT * FROM student";

// perform a query against the database

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

echo "
";

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

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

echo "<tr>";

echo "<th> USN </th> <th> NAME </th> <th>

if (\$result->num_rows > 0)

{

// output data of each row and fetches a result row as an associative array.

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

echo "<tr>";

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

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

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

array_push(\$a, \$row["usn"]);

}

}
else

```

echo "<table>";
$n = count($a);
$b = $a;
for ($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 ($result->num_rows > 0) // output data of each row
{
    while ($row = $result->fetch_assoc()) {
        for ($i=0; $i < $n; $i++) {
            if ($row["ven"] == $a[$i]) {
                $c[$i] = $row["name"];
                $d[$i] = $row["addr"];
            }
        }
    }
}

```

```

}
}
}
}

echo "<body>";
echo "<table border='1'>";
echo "<tr>";
echo "<th> USN </th><th> NAME </th><th>
      Address</th></tr>";
for ($i = 0; $i < $m; $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>

```

Output :-

Befor sorting

USN	Name	Address
4SUTFS019	Niranjan	Bengaluru
4SUTFS008	Dhruvan	Mysore
4SUTFS004	Anesha	Ujjire
CVITCS042	Vandana	Belthangady

After sorting

USN	Name	Address
4SUTFS004	Anusha	Ujjire
4SUTFS008	Darshan	Mysore
4SUTFS019	Niranjan	Bengaluru
4SUTFS042	Vandana	Belthangady.