

① WEB TECHNOLOGY LABORATORY With MINI PROJECT
17CSL77

Program-1

Javascript : simple calculator

<!DOCTYPE html>

<html>

<head>

<title Lab calculator Program </title>

<style>

· title {

Position : relative;

top : 5px

border - radius : 10px;

margin, bottom : 50px

text - align : center;

color : #ff4446;

border : dashed green 2px;

}

input (type="text") {

border - radius : 10px;

text - align : right;

border : color : black;

background : color : white;

width : 95%;

}

```
Input (type = "button") {
```

```
border-radius: 10px;
```

```
background-color: darkseagreen;
```

```
color: black;
```

```
border-color: darkseagreen;
```

```
width: 100%;
```

```
}
```

```
</style>
```

```
<script>
```

```
function display() {
```

```
document.getElementById('sdm').value = 'a';
```

```
}
```

```
function clear() {
```

```
document.getElementById('sdm').value = ""
```

```
}
```

```
function solve () {
```

```
let x = document.getElementById('sdm').value = y;
```

```
}
```

```
let x = eval(x);
```

```
document.getElementById('sdm').value = y;
```

```
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
center
```

```
<div class="title"> sdm </div>
```

<table border="1">

<tr>

<td>

<input type="button" value="C" onclick="clear()"/>

</td>

<td colspan="3">

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

</td>

</tr>

<tr>

<td>

<input type="button" value="+" onclick="disp('+')"/>

</td>

<td>

<input type="button" value="1" onclick="disp('1')"/>

</td>

<td>

<input type="button" value="3" onclick="disp('3')"/>

</td>

</tr>

<tr>

<td>

<input type="button" value="-" onclick="disp('-')"/>

</td>

<td>

<input type="button" value="4" onclick="disp('4')"/>

</td>

<td>

<input type="button" value="5" onclick="disp('5')"/>

</td>

<td>

<input type="button" value="6" onclick="disp('6')"/>

</td>

</tr>

<td>

<td>

<input type="button" value="*" onclick="disp('*')"/>

</td>

<td>

<input type="button" value="7" onclick="disp('7')"/>

</td>

<td>

<input type="button" value="8" onclick="disp('8')"/>

</td>

<td>

<input type="button" value="9" onclick="disp('9')"/>

</td>

</tr>

<tr>

<td>

<input type="button" value="/" onclick="disp('/')"/>

</td>

<td>

<input type="button" value="." onclick="disp('.')"/>

</td>

<td>

<input type="button" value="0" onclick="disp('0')"/>

```

</td>
<td>
<input type = "button" value = "=" onclick = "Solve" />
</td>
</tr>
</table>
</body>
</html>

```

② output

Ⓢ	<input type="text"/>		
+	①	②	③
-	④	⑤	⑥
*	⑦	⑧	⑨
/	⊙	⓪	=

Test case:

Test No.	input Parameter	excepted out put	obtained out put	Remark
1.	value 1 = 5.56 value 2 = 24.39	Addition = 74.95 Sub addition raction = 26.17 multiplication = 1233.1584 Division = 2.0729807298	Addition = 74.95 sub addition raction = 26.17 multiplication = 1233.1584 Division = 2.0729807298	pass
2.	value 1 = 0 value 2 = 45	Addition = 45 sub addition raction = 45 multiplication = 0 Division = 0	Addition = 45 sub addition raction = 45 multiplication = 0 Division = 0	pass
3.	value 1 = abc value 2 = 23	ENTER val, d NUMBER.	ENTER val, d NUMBER	pass

Program 2

write a javascript that calculates the square and cube of the numbers from 0 to 10 and outputs HTML text that displays 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"
by 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

Square and cube of the numbers from 0 to 10

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

Program: 3

HTML 5 and JavaScript:

- (a) Position in the string of the left-most value
- (b) number with its digit in the reverse order

```
<!DOCTYPE HTML>
<html>
<head>
<title> Program 5 </title>
</head>
<body>
```

```

<script type = "text/javascript">
var str = prompt ("enter the input", "");
if (! (isNaN(str))) {
var num, rem = 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' || char == 'U')
break;
}
if (i < str.length)
alert ("The position of the left most vowel is " + i)
else
alert ("No vowels found in the entered string");
}
</script>
</body>
</html>

```


Output

(a)

Enter the input

Reverse of 123 is 321

(b)

enter the input

The position of the
left jewel is A

Program-4

write javascript code that display text "text Growing"
with the increase font size in the interval of 100ms in Red
color. when the font size reaches 50pt it display "TEXT"
SHRINKING in BLUE color then font size decrease to 5pt

Program

<html>

<head>

<title> Text growing and Text shrinking </title>

</head>

<body>

<h1 align="center"></h1>

<script>

var fs = 5;

var flag = 0;

var t = document.querySelector(h1);

function(x1)

{

fs++;

fs1 = fs + "pt";

t.style.color = "red";

t.style.fontSize = fs1;

t.textContent = "TEXT-Growing";

if (fs == 50)

{

flag = 1;

}

}

function document1()

{

fs--;

fs1 = fs + "pt";

t.textContent = "TEXT-SHRINKING";

t.style.color = "blue";

t.style.fontSize = fs1;

if (fs == 5)

{

function call "

{

if (flag == 1)

{

document.write(1);

```

{
  if (flag == 0)
  {
    count;
  }
}
setInterval (call, 100);
</script>
</body>
</html>

```

Output

TEXT - GROWING
TEXT - SHRINKING

Program-5

write a PHP program to keep track of the number of visitors visiting the web page and to display this of visitors with program loading.

```
<html>
```

```
<head>
```

```
<title> visitors count </title>
```

```
</head>
```

```
<body align = "center" style color = "green"
```

```
<h1 align = "center"> Refresh web page </h1>
```

```
<? PHP>
```

```
<$filename = "count.txt"
```

```
<$fp = fopen ($filename, "r");
```

```
$hits = fgets($fp, 1024);
```

```
$hits(0) = $hits(0) + 1;
```

```
Print "No of visitors visiting"
```

Output

Refresh web page

No. of visitors this webpage is 10

Program-6

Design a XML documents to store information about a student in a engineering college affiliated to VTU the information most include USN, Name and Name of college, branch, year of joining and email id, make up some data for 3 students create a CSS style sheet and use it to display the document.

Program

```
<?xml stylesheet type="text/css" href="s.css">
<!DOCTYPE HTML>
<html>
<head>
<h1> student description </h1>
</head>
<students>
<student>
<USN> USN: 48U17CS076 </USN>
<name> NAME: RAKSHITH </name>
<college> COLLEGE: SDMIT </college>
<branch> BRANCH: CSE </branch>
<year> YEAR: 2017 </year>
<e-mail> E-mail: Rakshith@gmail.com </email>
</student>
<USN> USN: 48U17CS001 </USN>
<name> NAME: Santhosh </name>
<college> COLLEGE: SDMIT </college>
<branch> BRANCH: CSE </branch>
<year> YEAR: 2017 </year>
<e-mail> E-MAIL: santhosh@gmail.com </email>
</student>
```

<Student>

<USN>USN:43017C5002 </USN>

<name>NAME:MANORANTAN </name>

<College>COLLEGE:SDMIT </College>

<branch>BRANCH:CSE </branch>

<Year>YEAR:2017 </Year>

<E-mail>E-mail:manoranjan@gmail.com </E-mail>

<Student>

<Student>

</html>

S.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 : 20 pt;
font-size : 12 pt
color : maroon;
}

branch {

display : block;
margin-left : 20 pt;
font-size : 12 pt;
color : purple;
}

Year {

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

E-mail {

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

Output

Student description
USN : 45017CS076
Name : Rakshith, R
College : SDMIT
BRANCH : CSE
Year : 2017

USN : 45017CS001

NAME : Santhosh

COLLEGE : SD MIT

BRANCH : CSE

YEAR : 2017

E-mail : Santhosh@gmail.com

USN : 48017CS002

NAME : MANO RAJAN

COLLEGE : SD MIT

BRANCH : CSE

YEAR : 2017

E-mail : manorajan@gmail.com