

Program No - 01

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

=>

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title> Web Lab Program 1 </title>
```

```
<style>
```

```
body {
```

```
    text-align: center;
```

```
}
```

```
.title {
```

```
    border-radius: 45px;
```

```
    margin-bottom: 30px;
```

```
    text-align: center;
```

```
    padding: 14px 13px;
```

```
    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;  
}  
  
.fit{  
    border-radius: 45px;  
    margin-bottom: 30px;  
    text-align: center;  
    width: 150px;  
    color: red;  
    background-color: pink;  
    border: solid black 3px;  
}  
  
</style>  
<script>
```

```
function disp(val){  
    document.getElementById('SDM').value += val;  
}  
  
function clr(){  
    document.getElementById('SDM').value = "";  
}  
  
function solve(){  
    let x = document.getElementById('SDM').value;  
    let y = eval(x);  
    document.getElementById('SDM').value = y;  
}  
  
</script>  
<head>  
<body>  
  
<div class="title"> SDM JAVASCRIPT dAB PROGRAM </div>  
  
<center>  
<table border="10">  
    <tr>  
        <td>  
            <input type="button" value="CE" onclick="clr()">  
        </td>  
        <td> colspan="4" <input type="text" id="SDM" />  
    </tr>  
</table>  
</center>
```

`<td>`

`</tr>`

`<tr>`

`<td>`

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

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

`<td><input type="button" value = "2" onclick = "disp('2')">`

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

`</tr>`

`<tr>`

`<td><input type="button" value = "-" onclick = "disp('1-')">`

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

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

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

`</tr>`

`<tr>`

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

`<td><input type="button" value = "?" onclick = "disp('?')">`

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

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

`</tr>`

`<tr>`

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

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

<td> <input type="button" value="=" onclick="solve()"> </td>

<table>

<center>

<body>

<html>

Output:-

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

(<td><td>+&*&*&/>

Program No-02

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.

=>

```
<!DOCTYPE html>
<html>
<head>
<script>
document.write('<h1 align="right"> Squares and Cubes of
the numbers from 0 to 10 </h1>');
document.write('<center><table width="30%" border="1"
background="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>");

80-011 map2?

<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 |

Program No-03

Write a JavaScript code that displays text "TEXT-GROWING" with increasing font size in the interval of 100ms, RED COLOR, when the font size reaches 50pt it displays "TEXT-SHRINKING" 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";
    if (font == 50) {
        text.style.color = "red";
    }
    if (font == 5) {
        text.style.color = "blue";
    }
}
setInterval(inc, 100);
</script>
```

```
text.style.color = "red";
text.textContent = "TEXT-GROWING:" + font + "pt";
if (font == 50) {
    flag = 1;
}
}

function dec() {
    font--;
    textContent = "TEXT-GROWING";
    text.style.fontSize = font + "pt";
    text.style.color = "blue";
    text.textContent = "TEXT-SHRINKING:" + font + "pt";
    if (font == 5) {
        flag = 0;
    }
}

var time = setInterval(function () {
    if (flag == 1) {
        dec();
    }
    if (flag == 0) {
        inc();
    }
},
```

{, 100);

<script>

</body>

</html>

Output :-

TEXT - GROWING

TEXT - SHRINKING.

Program No-04

Develop and demonstrate a HTML5 file that includes JavaScript that uses functions for the following problems:

- Parameter : A string
- Output : The position is the string of the left-most vowel.
- Parameter : A number
- Output : The number with its digits 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 == 'O' || chr == '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");
}

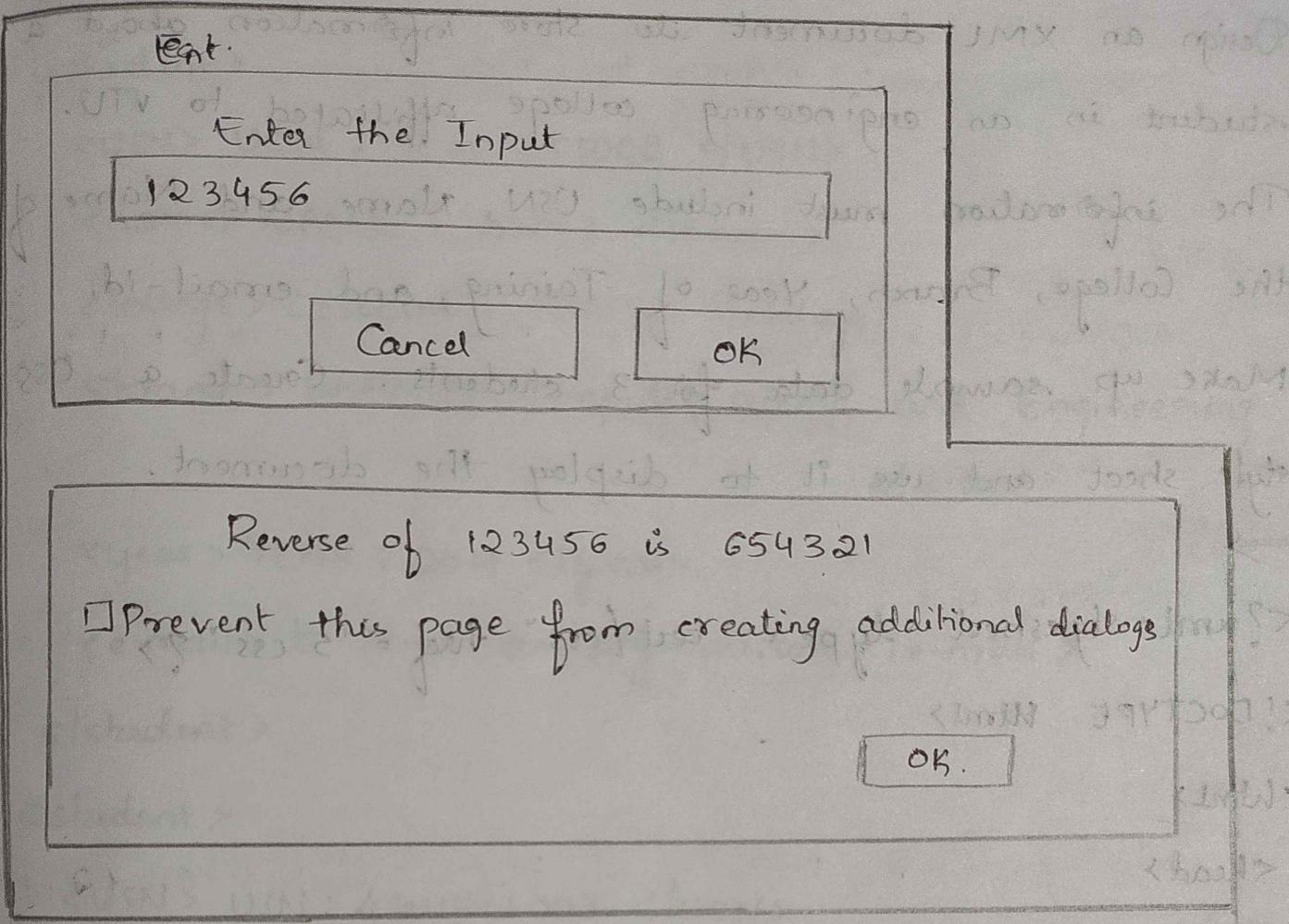
```

</script>

</body>

</html>

Output:

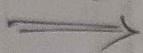


Program No-05

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 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 = "5.css"?>
<!DOCTYPE Html>
<Html>
<head>
    <h1> STUDENTS DESCRIPTION </h1>
</head>
<students>
    <student>
        <usn> USN : 4SU17CS001 </usn>
        <name> NAME : AMSHU </name>
        <college> COLLEGE : SDM IT </college>
        <branch> BRANCH : Computer science and Engineering
        <year> YEAR : 2019 </year>
    </student>
</students>
```

</branch>

<e-mail> E-Mail : amshuf@gmail.com </e-mail>

</student>

<student>

<USN> USN : 4 SU17CS002 </USN>

<name> NAME : ANVI </name>

<college> COLLEGE : SDMITS </college>

<branch> BRANCH : Computer science and Engineering

</branch>

<year> YEAR : 2017 </year>

<e-mail> E-Mail : anvi@gmail.com </e-mail>

</student>

<student>

<USN> USN : 4 SU17CS003 </USN>

<name> NAME : ARVI </name>

<college> COLLEGE : SDMITS </college>

<branch> BRANCH : Computer science and Engineering

</branch>

<year> YEAR : 2017 </year>

<e-mail> E-Mail : arvi@gmail.com </email>

</student>

</students>

</html>

Program 5.css

student {

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

}

.VSN {

```
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: 14pt;  
color: Maroon;
```

}

branch {

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

}

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 : 4SUITCS001

NAME : AMSHU

COLLEGE : SDMIT

BRANCH : Computer science and Engineering

YEAR : 2017

E-Mail : amshu@gmail.com

USN : 4SUITCS002

NAME : ANVI

COLLEGE : SDMIT

BRANCH : Computer science and Engineering

YEAR : 2017

E-Mail : anvi@gmail.com

USN : 4SUITCS003

NAME : ARVI

COLLEGE : SDMIT

BRANCH : Computer science and Engineering

YEAR : 2017

E-Mail : arvi@gmail.com

Program No-06

Write a PHP program to keep track of the number of visitors visiting the web page and to display the count of visitors, with proper headings.

==>

```
<?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]);
```

```
?>
```

Output:

REFRESH PAGE

Total number of views : 10.

Program

Write
which

==>

<!DOCTYPE

<html>

<head>

<me

<st

Program No-07

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

⇒

```
<!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:-

10:56:22 AM, 2023-04-18 10:56:22.849 +05:00 [Info] Starting server with configuration

Program

Wait

which

→

Mysql:

create

use

create

Program

<!DOC

<html>

<body>

<st

(row

name, 3, 3)

<td> 111

<td> <{ { "text": "111" } }> 111 with opaq? </td>

Program No-10

Write a PHP program to sort the student records which are sorted in the database using selection & sort.

→ Mysql:

```
create database weblab;
```

```
use weblab;
```

```
create table student (usn varchar(10), name varchar(20),  
address varchar(20));
```

Program

```
<!DOCTYPE html>  
<html>  
<body>  
<style>  
table, td, th  
{  
border: 1px solid black;  
width: 33%;  
text-align: center;  
border-collapse: collapse;  
background-color: lightblue;  
}  
table {margin: auto;}
```

```
<style>
<?php
$servername = "localhost";
$username = "root";
$password = "root";
$dbname = "weblab";
$a = [];
// Create connection
// Opens a new connection to the MySQL server.
$conn = mysqli_connect($servername, $username,
$password, $dbname);
// Check connection and return an error description for
the last connection error, if any
if ($conn->connect_error)
    die("Connection failed : ". $conn->connect_error);
$sql = "SELECT * FROM student";
// performs a query against the database
$result = $conn->query($sql);
echo "<br>";
echo "<center> BEFORE SORTING </center>";
echo "<table border='1'><tr><th>id</th><th>name</th><th>age</th><th>gender</th></tr><tbody>";
while ($row = $result->fetch_assoc())
    echo "<tr><td>" . $row["id"] . "</td><td>" . $row["name"] . "</td><td>" . $row["age"] . "</td><td>" . $row["gender"] . "</td></tr>";
echo "</tbody></table>";
echo "<center> AFTER SORTING </center>";
echo "<table border='1'><tr><th>id</th><th>name</th><th>age</th><th>gender</th></tr><tbody>";
while ($row = $result->fetch_assoc())
    echo "<tr><td>" . $row["id"] . "</td><td>" . $row["name"] . "</td><td>" . $row["age"] . "</td><td>" . $row["gender"] . "</td></tr>";
echo "</tbody></table>";
```

```

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

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 is Empty";
}

echo "</table>";
```

23

```
if ($a[$pos] > $a[$j])
```

```
    $pos = $j;
```

```
}
```

```
if ($pos != $i) {
```

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

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

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

```
}
```

```
}
```

```
    ("<b>".["new"] . "<br>" . "
```

```
$c = []; ("<b>".["name"] . "work" . "<br>" . "
```

```
$d = [];
```

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

```
if ($result->num_rows > 0)
```

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

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

```
        if ($row["wo"] == $a[$i]) {
```

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

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

```
}
```

```
}
```

```
}
```

echo
echo
echo
echo
echo
echo
for

?>

<1b>

<1w>

```

echo "<br>";
echo "<center> AFTER SORTING </center>";
echo "<table border='2'>";
```

USN	NAME	Address
1000000000	John Smith	80020F102A
1000000001	John Smith	80020F102A
1000000002	John Smith	80020F102A
1000000003	John Smith	80020F102A
1000000004	John Smith	80020F102A
1000000005	John Smith	80020F102A
1000000006	John Smith	80020F102A
1000000007	John Smith	80020F102A
1000000008	John Smith	80020F102A
1000000009	John Smith	80020F102A
1000000010	John Smith	80020F102A

```

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>

Output:-

BEFORE SORTING

USN	NAME	Address
4SUI7CS004	Anu	Manglore
4SUI7CS002	Amshu	Udupi
4SUI7CS003	Ammu	Banglore
4SUI7CS001	Adya	Mysuru

AFTER SORTING.

USN	NAME	Address
4SUI7CS001	Adya	Mysuru
4SUI7CS002	Amshu	Udupi
4SUI7CS003	Ammu	Banglore
4SUI7CS004	Anu	Manglore.