

1.

Exp. no. 1

Write a Java script to design a simple calculator.

Code:

```
<!DOCTYPE html>
<html>
  <head> <title> Labprogram </title>
  <style>
    title {
      border-radius: 6px;
      margin-bottom: 10px;
      text-align: center;
      width: 230px;
      color: rgb(248, 248, 248);
      background-color: #2e1010;
      border: solid black 1px;
    }
    input[type = 'text'] {
      border-radius: 3px;
      text-align: right;
      background-color: #332323;
    }
    input[type = "button"] {
      border-radius: 5px;
```

```
background-color: #53546d;  
color: white;  
border-color: #908d8e;  
width: 98%;  
box-shadow: 0 1px rgba(158, 148, 148);  
}  
  
</style>  
<script>  
function disp(val){  
    document.getElementById('sdm').value = val;  
}  
function clear(){  
    document.getElementById('sdm').value = " ";  
}  
function solve(){  
    let x = document.getElementById('sdm').value;  
    let y = eval(x);  
    document.getElementById('sdm').value = y;  
}  
  
</script>  
<head>  
<body>  
<h1> Name: Swaraj <br> USN: 4SUL7CS110 <h1><br>  
<div class="little"> SDM JAVASCRIPT </div>  
<table border="3">  
    <tr>  
        <td>  
            <input type="button" value="ctrl one click" />  
        </td>  
        <td>  
            <input type="button" value="ctrl C" />  
        </td>  
    </tr>  
    <tr>  
        <td colspan="2" style="text-align: center;">  
            <input type="button" value="ctrl V" />  
        </td>  
    </tr>  
</table>
```

```
<td>
<input type="button" value="7" onclick="disp('7')"/>
<td>
<td>
<input type="button" value="1" onclick="disp('1')"/>
<td>
<input type="button" value="0" onclick="disp('0')"/>
<td>
<input type="button" value="3" onclick="disp('3')"/>
<td>
<td>
<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>
<td>
<input type="button" value="*"/ onclick="disp('*')"/>
<td>
<td>
<input type="button" value="/" onclick="disp('/')"/>
<td>
```

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

</td>

</td>

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

</td>

<tr>

<td>

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

</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 = "disp('=')" />

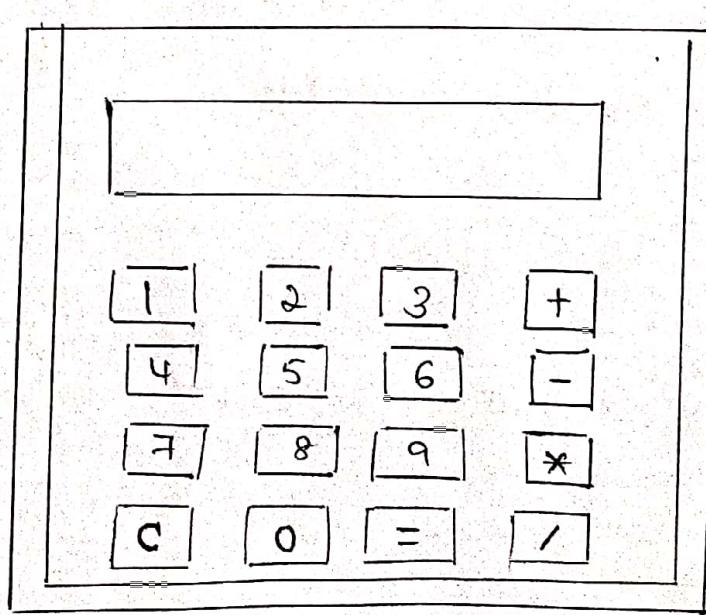
</td>

</tr>

<table>

<body>

</html>



Exp. no. 2

Write a program that calculates the squares & cubes of the number from 0 to 10 and OLP HTML

Program o.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" bgcolor = "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>

OLP :

Numbers from 0 to 10 with their cubes and squares.

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

Experiment no. 3

Write a javascript to display "Text Growing".

```

<!DOCTYPE html>
<html>
<body>
<p id = "myP1">TEXT - GROWING </p>
<p id = "myP2">TEXT - SHRINKING </p>
<script>
var size = 10;
var i = 0;
var myWait1 = setInterval(GrowText1, 100);
function GrowText1()
{
    if (size < 51)
    {
        size = size + 1;
        document.getElementById("myP1").style.fontSize = (size + "pt");
        document.getElementById("myP1").style.color = "red";
    }
    else
    {
        clearInterval(myWait1);
        myWait1 = setInterval(CshrinkText1, 100);
        document.getElementById("myP1").style.visibility = "hidden";
        document.getElementById("myP1").style.fontSize = "1pt";
        document.getElementById("myP2").style.visibility = "visible";
    }
}
function CshrinkText1()
{
    if (size > 5)
    {
        size = size - 1;
        document.getElementById("myP2").style.fontSize = (size + "pt");
        document.getElementById("myP2").style.color = "blue";
    }
}

```

dp :- TEXT - GROWING
Text - SHRINKING.

Expo. 100 : H.

Develop and demonstrate a HTML file that includes
JavaScript script that uses functions for the following
problem.

Program:

```
<!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++)
    {
        if (str[i] == "A") str[i] = "B";
        else if (str[i] == "B") str[i] = "A";
        else if (str[i] == "C") str[i] = "D";
        else if (str[i] == "D") str[i] = "C";
        else if (str[i] == "E") str[i] = "F";
        else if (str[i] == "F") str[i] = "E";
    }
    alert ("Reversed string is " + str);
}
```

\$ T

```

var chr = str.charAt(i);
if (Chr == 'A' || Chr == 'E' || Chr == 'I' || 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>

Q1P:

Enter the input:

Reverse of 123456 is 654321.

Prevent this page from creating additional dialogs.

Ex-10.5:

Design an XML document to store information about a student in an engineering college affiliated to VTU. Create a CSS style sheet & use it to display the document.

Programs. xml

```

<!DOCTYPE HTML>
<html>
  <head>
    <script> STUDENT DESCRIPTION </script>
  </head>
  <student>
    <student>
      <USN> USN : HSU17CS001 </USN>
      <name> NAME : SANTHOSH </name>
      <college> COLLEGE : SDMIT </college>
      <branch> BRANCH : CSE </branch>
      <years> YEAR : 2017 </years>
      <email> EMAIL : Santhosh@gmail.com </email>
    </student>
    <student>
      <USN> USN : HSU17CS002 </USN>
      <name> NAME : MANOJ </name>
      <college> COLLEGE : SDMIT </college>
      <branch> BRANCH : CSE </branch>
      <years> YEAR : 2017 </years>
      <email> EMAIL : manoj@gmail.com </email>
    </student>
  </student>

```

<|student>

<Student>

<USN> USN : HSU17C8D03 </USN>

<name> NAME : Chethan </name>

<College> COLLEGE : SDMIE </college>

<branch> BRANCH : CSE </branch>

<year> YEAR : 2017 </year>

<email> EMAIL : chethan@gmail.com </email>

<|student>

<| Student>

<| html>

Program 5.css:

Student 2

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: 30px; font-size: 12pt; color: Maroon;

}

branch {

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

}

Yearnd

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

3

e-mail

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

3

OIP

STUDENT DESCRIPTION

USN: HSU17CS001

NAME: SANTHOSH

COLLEGE: SDM IT

BRANCH: CSE

YEAR: 2017

E-MAIL: santhosh@gmail.com

USN: HSU17CS002

NAME: MANOJ

COLLEGE: SDM IT

BRANCH: CSE

YEAR: 2017

E-MAIL: manoj@gmail.com

USN: HSU17CS003

NAME: Chethan

COLLEGE: SDM IT

BRANCH: CSE

YEAR: 2017

E-MAIL: chethan@gmail.com.

Experiment no: 6:

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

Program 6. php

<?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];
```

?>

o/p:

REFRESH PAGE

Total number of views : 10 .

Exno: 9 .

Write a PHP program named States .py that describes a variable States with value "Mississippi Alabama Texas Massachusetts Kansas". Write a PHP program.

<?php >

\$states = "Mississippi Alabama Texas Massachusetts Kansas";

\$stateArray = [];

\$state1 = explode(' ', \$states);

echo "Original array :
";

foreach (\$state1 as \$i => \$value)

print("STATES [\$i] = \$value
");

foreach (\$state1 as \$state) {

if (preg-match (' /xai \$1 ', (\$state)))

\$stateArray[0] = (\$state);

}

foreach (\$state1 as \$state) {

if (preg-match (' /^k.+\\$1 ', (\$state)))

\$stateArray[1] = (\$state);

}

foreach (\$state1 as \$state) {

if (preg-match (' /^M.+\\$1 ', (\$state)))

\$stateArray[2] = (\$state);

}

foreach (\$state1 as \$state) {

if (preg-match (' /a\\$1 ', (\$state)))

\$stateArray[3] = (\$state);

}

echo "

Resultant array :
";

foreach (\$stateArray as \$array => \$value)

print("STATES [\$array] = \$value
");

?>

Original Array:

STATES[0] : Mississippi

STATES[1] : Alabama

STATES[2] : Texas

STATES[3] : Massachusetts

STATES[4] : Kansas.

Reversed Array:

STATES[0] = Texas

STATES[1] = Kansas

STATES[2] = Massachusetts

STATES[3] = Alabama.

exp.no: 10

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

<!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; }

```
<?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 "<br>";  
echo "<center> BEFORE SORTING </center>";  
echo "<table border='0'>";  
echo "<tr>";  
echo "<th> USN </th><th> NAME </th><th> Address </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>". $row["addr"]. "</td></tr>";  
        array_push($a, $row["usn"]);  
    }  
}  
else  
    echo "Table is Empty";  
echo "</table>";
```

```

$n = count($a);
$lo = $a;
for ($i = 0; $i < ($m - 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 = $conn->query($q1);
if ($result->num_rows > 0) {
    while ($row = $result->fetch_assoc()) {
        for ($i = 0; $i < $n; $i++) {
            if ($row["use"] == $a[$i]) {
                $c[$i] = $row["name"];
                $d[$i] = $row["addr"];
            }
        }
    }
    echo "<br>";
    echo "<center> AFTER SORTING </center>";
    echo "<table border='1'>";
    echo "<tr>";
    echo "<th> S/N </th> <th> NAME </th> <th> Address </th> </tr>";
    for ($i = 0; $i < $n; $i++) {
        echo "<tr>";
        echo "<td> " . $a[$i] . "</td>";
        echo "<td> " . $c[$i] . "</td>";
        echo "<td> " . $d[$i] . "</td>";
    }
}

```

```
echo "<td>", $d[$i]."<td><br>" ;
```

3

```
echo "</table>";
```

```
$com -> close();
```

?>

```
</body>
```

```
</html>
```

O/P

BEFORE SORTING.

| USN | NAME | Address |
|--------------|-----------|-------------|
| 4SUI7 CS 019 | Niranjini | Banglore |
| 4SUI7 CS 008 | Dareshan | Mysore |
| 4SUI7 CS 004 | Anusha | Ujire |
| 4SUI7 CS 042 | Vandana | Belthangady |

AFTER SORTING.

| USN | NAME | Address |
|--------------|-----------|-------------|
| 4SUI7 CS 004 | Anusha | Ujire |
| 4SUI7 CS 008 | Dareshan | Mysore |
| 4SUI7 CS 019 | Niranjini | Bengaluru |
| 4SUI7 CS 042 | Vandana | Belthangady |