

Page No.: 3 -

EXPERIMENT NO.: 1

Date: 16/01/20

Input: 7/0.

Output: 0

Input: 3/4

Output: 0.75

Output :

Simple Calculator.

q	g	+	+
6	5	4	-
3	2	1	*
0	*	()
			=

Input : $2+3+10$

Output : 15

Input : $7+5+1+5$

Output : 9

Input : $5-2$

Output : 3

Input : $7+3-1+2 - 2+1$

Output : 4

Input : $3 \cdot 7 \times 1+6$

Output : 5+92



Program - 1

Page No. : 2

1) write a javascript to design a simple calculator to perform the following operation sum, product, difference and quotient.

```
<html>
<style>
input { width: 100%; height: 100%; color: white;
        text-align: right; }
</style>
<head>
</head>
<body>
<form name = "ravi">
<table align = "center" border = "2" bgcolor = "white"
       width = "50">
<tr><td colspan = "4"><input type = "text" name = "raj"
           disabled style = "text-align: right;" /></td></tr>
<tr><td><input type = "button" value = "9" onclick = "ravi.raj.value
           += '9'" /></td>
<td><input type = "button" value = "8" onclick = "ravi.raj.value
           += '8'" /></td>
<td><input type = "button" value = "7" onclick = "ravi.raj.value
           += '7'" /></td>
<td><input type = "button" value = "+" onclick = "ravi.raj.value
           += '+'" /></td></tr>
```

```

<tr><td><input type = "button" value = "6" onclick = "navi.raj.
value += '6'" /><td>
<td><input type = "button" value = "5" onclick = "navi.raj.value
+= '5'" /><td>
<td><input type = "button" value = "4" onclick = "navi.raj.
value += '4'" /><td>
<td><input type = "button" value = "-" onclick = "navi.raj.
value += '-'" /><td><tr>

<tr><td><input type = "button" value = "3" onclick = "navi.raj.
value += '3'" /><td>
<td><input type = "button" value = "2" onclick = "navi.raj.value
+= '2'" /><td>
<td><input type = "button" value = "1" onclick = "navi.raj.
value += '1'" /><td>
<td><input type = "button" value = "+" onclick = "navi.raj.
value += '+'" /><td><tr>

<tr><td><input type = "button" value = "0" onclick = "navi.
raj.value += '0'" /><td>
<td><input type = "button" value = "." onclick = "navi.raj.
value += '.'" /><td>
<td><input type = "button" value = "c" /><td>
<td><input type = "button" value = "/" onclick = "navi.raj.
value += '/'" /><td><tr>

<tr><td colspan = "4" align = "center">
<input type = "button" value = "=" onclick = "navi.raj.value =
eval(navi.raj.value)" />

```



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<td>
<tr>
<table>
<form>
<body>
</html>

seen
11/11/2010
Pw

Output :

Squares & cubes of 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 - a.

Page No. : 8

2) write a javascript that calculates squares and cubes of numbers from 0 to 10 and outputs html texts that displays resulting values in a html table format

```
<html>
<head>
<title></title>
</head>
<body>
<h1 align = "center">Squares & cubes of numbers from
0 to 10 </h1>
<table align = "center" border = "3" width = 30% height = 30%>
<tr><th>Number </th><th>Square </th><th>Cube </th>
</tr>
<script>
for (i=0 ; i<=10 ; i++)
document.write("<tr align = \"Center\"><td>" + i + "</td><td>" +
+ i * i + "</td><td>" + i * i * i + "</td></tr>");
</script>
</table>
</body>
</html>
```

for
x
v1/v2



Program - 3

Page No. 10

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 50pt it displays "TEXT-SHRINKING" in blue color. Then the font size decreases to 5pt.

```
<html>
<head> </head>
<body>
<center>
<h1> <h1>
<script>
var fs = 5;
var flag = 0;
var tag1 = document.querySelector('h1');
function inc()
{
    fs++;
    tag1.style.fontSize = fs + 'px';
    tag1.style.color = "red";
    tag1.textContent = "TEXT-GROWING";
    if (fs == 50)
    {
        flag = 1;
    }
}
function dec()
{
}
```

```
for(--;  
tag1.style.fontSize = fs;  
tag1.style.color = "blue";  
tag1.textContent = "TEXTSHRINK";  
if(fs == 50)  
{  
    flag = 0;  
}  
  
function call()  
{  
    if(flag == 1)  
    {  
        inc();  
    }  
    else  
    {  
        SetInterval(call, 100);  
    }  
}  
  
</Script>  
</center>  
</body>  
</html>
```

*Bew
Rv
11/1/2020*

EXPERIMENT NO.: 14

Date: 10/10/13

Page No.: 13
Output : Case 1 :

Output

Bind

Submit

Vowel found at position 3

Case 2 :

html

Submit

No vowel found

Case 3 :

1 2 3 4

Submit

Reverse of number is 4321

Program - 4

Page No.: 14

- 4) Develop and demonstrate a HTML file, F4L that includes javascript that uses functions for following problems
- a) Parameter : String
 - b) Output : Position in the string of the leftmost vowel
 - a) Parameter : @ number
 - b) Output : the number with its digit in reverse order

Program :

```
<html>
<head>
<title>
<body style = "text-align : center">
<input type = "text" placeholder = "Enter the string
Or Number" />
<input type = "submit" onclick = "func()" />
<h1> </h1>
<script>
function func()
{
    var tagname = document.querySelector ("input");
    var tagname = document.querySelector ("h1");
    var value1 = tagname.value;
    if (isNaN (value1))
    {
        var k = value1.search ("[aeiouAEIOU]");
        if (k < 0)
```



```
tagname2.textContent = "No vowel is found";  
else  
    tagname2.textContent = "Position of leftmost vowel  
    in the string is " + (b + );  
}  
else  
{  
    var rev = value1.split(" ").reverse().join(" ");  
    tagname3.textContent = "The reverse of number is " +  
    rev;  
}  
}  
}  
</script>  
</body>  
</html>
```

See
11/11/2020

Output :

USN: HSU17CS115.

Name: Vandana M.G.

Name of College: SDM Institute of Technology

Branch: Computer Science.

Year of joining: 2017

Email: vandanagouda@gmail.com

USN: HSU17CS116.

Name: Veena.

Name of College: SDM Institute of Technology

Branch: Computer Science.

Year of joining: 2018

Email: veena@gmail.com

USN: HSU17CS117.

Name: Abhilasha

Name of College: SDM Institute of Technology

Branch: Computer Science.

Year of joining: 2019

Email: abhilasha@gmail.com



Program - 5.

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5) Design an XML document to store information about a student in an engineering college affiliated to VTU. Information must include USN, name, name of college, branch, year of joining, email id. Take up sample data for 3 students, create a CSS style sheet and use it to display document.

```
<?xml version = "1.0" encoding = "utf-8"?>
<?xml-stylesheet type = "text/css" href = "a.css"?>
<Students>
    <Student1>
        <USN>USN : ASV17CS115</USN>
        <Name>Name : Vandana M.G</Name>
        <College>Name of college : SDM Institute of Technology.
        <College>
            <Branch>Branch : Computer Science.</Branch>
            <Year>Year of joining : 2017</Year>
            <Email>Email : vandanagouda06@gmail.com</Email>
        </Student1>
        <Student2>
            <USN>USN : ASV17CS116</USN>
            <Name>Name : Veena</Name>
            <College>Name of college : SDM Institute Technology</College>
            <Branch>Branch : Computer Science </Branch>
            <Year>Year of joining : 2018</Year>
            <Email>Email : veend@gmail.com</Email>
        </Student2>
        <Student3>
```



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<usn> USN : 4SV1E00117 </usn>
<name> Name : Abhilasha </name>
<college> Name of College : SDM Institute of Technology
</college>
<branch> Branch : Computer Science </branch>
<year> Year : 2019 </year>
<email> Email : abhilasha@gmail.com </email>
</student>
</students>

a.css

student 1 {
color : red ;
display : block ;
text-align : center ;
}

student 2 {
color : blue ;
display : block ;
text-align : center ;
}

student 3 {
color : black ;
display : block ;
text-align : center ;
}

3 usn, name, college, branch, year, email { display : block ; }

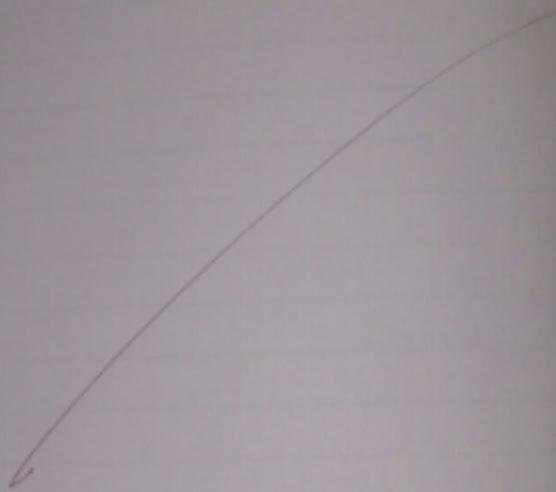
Page No.: 21

EXPERIMENT NO.: 6

Date: 11/11/12

Output:-

TOTAL NUMBER OF VISITS : 5.





Program - 6

Page No.: 22

- a) write a php program to keep track of number of visitors to visiting the web pages and to display this count of visitors with proper headings

```
<html>
<body>
<?php
    print "<h1 align = center>Refresh web page </h1>";
    $file = "count.txt";
    $fp = fopen ($file, "r");
    $visits = fscanf ($fp, "%d");
    print "<h2 align = center>TOTAL NUMBER OF VISITS:<br>";
    $visits[0] = $visits[0] + 1;
    fclose ($fp);
    $visits[0] = $visits[0] + 1;
    $fp = fopen ($file, "w");
    fprintf ($fp, "%d", $visits[0]);
    fclose ($fp);
?>
</body>
</html>
```

See
Ax

19/11/2020

Page No. : 23

EXPERIMENT No. : 7

Date : 11/11/20

Output :

DIGITAL CLOCK .

19/11/20 :: 12 : 24 : 06 pm



Program - 7

Page No. 24

#) write a php program to display digital clock which displays current time of the server.

```
<html>
<head><title> DIGITAL CLOCK </title>
<meta http-equiv = "refresh" content = "1">
</head>
<body>
<h1 align = "center"> DIGITAL CLOCK </h1>
<?php
    print "<h3 align = center style = \"color: black\">";
    print date ("d/m/y :: h:i:s");
    print "</h3>" ;
?>
</h3> </body>
</html>
```

dear
C
19/11/2020

Page No. : 87

EXPERIMENT No. : 8

Date : 03/11/20

The subtraction of matrix a & b is:

$$\begin{matrix} -6 & -6 & -6 \\ 0 & 0 & 0 \\ 6 & 6 & 6 \end{matrix}$$

Multiplication of a matrix is :

$$\begin{matrix} 18 & 24 & 30 \\ 54 & 69 & 84 \\ 90 & 114 & 138 \end{matrix}$$

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EXPERIMENT No.: 8

Date: 25/11/2022

Output.

8

4

Submit

Reset

Addition of 8 and 4 is 12
Subtraction of 8 and 4 is 4
Multiplication of 8 and 4 is 32
Division of 8 and 4 is 2

Matrix a is :

1 2 3
4 5 6
7 8 9

Matrix b is :

7 8 9
4 5 6
1 2 3

The transpose matrix a is :

1 4 7
2 5 8
3 6 9

The addition of matrix a & b is :

8 10 12
8 10 12
8 10 12

Program - 8.

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- a) write the php program to do the following
- a) Implement simple calculator operator
- b) find the transpose of a matrix
- c) multiplication of 2 matrices
- d) Addition of 2 matrices

lab8.php

<?php

\$a = \$_GET ['rami'];

\$b = \$_GET ['rama'];

print "<h3> addition of \$a and \$b is". (\$a+\$b).</h3>";

print "<h3> Subtraction of \$a and \$b is". (\$a-\$b).</h3>";

print "<h3> Multiplication of \$a and \$b is". (\$a*\$b).</h3>";

if (\$a == 0)

print "not possible to divide";

else.

print "<h3> division of \$a & \$b". (\$a/\$b).</h3>";

lab8a.php

<html>

<head>

</head>

<body align = "center">

<form action = "lab8b.php" method = "get">

<input type = "number" name = "rami"

placeholder = "Enter value"/>

```

<br> <br>
<input type = "number" name = "ram2" placeholder =
"Enter value2" />
<br> <br>

<input type = "submit" value = "submit" />
<input type = "reset" value = "submit" />
<form>
<body>
<html>
<?php
$ a = array (array (1, 2, 3), array (4, 5, 6), array
(7, 8, 9));
$b = array (array (7, 8, 9), array (4, 5, 6), array (1, 2, 3));
$m = count ($a);
$n = count ($a [0]);
$p = count ($b);
$q = count ($b [0]);
print "matrix a is : <br/>";
for ($i = 0; $i < $m; $i++)
{
    for ($j = 0; $j < $n; $j++)
        print $a [$i] [$j]. " ";
    print "<br/>";
}
print "matrix b is : <br/>";
for ($i = 0; $i < $p; $i++)

```

```

for($j=0; $j<$n; $j++)
{
    print $b[$i][$j]. " ";
}
print "The transpose of matrix a is : <br/>";
for($i=0; $i<$m; $i++)
{
    for($j=0; $j<$n; $j++)
    {
        print $a[$j][$i]. " ";
    }
    print "<br>";
}
print "addition of matrix a and b is: <br/>";
if ($m == $p && $n == $q)
{
    for($i=0; $i<$p; $i++)
    {
        for($j=0; $j<$q; $j++)
        {
            print $a[$i][$j] + $b[$i][$j]. " ";
        }
        print "<br/>";
    }
}
else
{
    print "Addition of 2 matrix not possible";
}

```

```

1 print "Subtraction of matrix a & b is: <br/>;
2 if ($m == $p && $n == $q) {
3   for ($i = 0; $i < $p; $i++) {
4     for ($j = 0; $j < $q; $j++) {
5       print ${a[$i][$j]} - ${b[$i][$j]} " ";
6     }
7   }
8   print "<br/>";
9 }

10 print "Multiplication of 2 matrix is: ";
11 $c[2] array c;
12 if ($n == $p) {
13   for ($i = 0; $i < $m; $i++) {
14     for ($j = 0; $j < $q; $j++) {
15       $c[$i][$j] = 0;
16       for ($k = 0; $k < $n; $k++) {
17         $c[$i][$j] = $c[$i][$j] + ${a[$i][$k]} *
18                       ${b[$k][$j]};
19     }
20   }
21   print "Multiplication of matrix a is: <br/>";
22   for ($i = 0; $i < $m; $i++) {
23     for ($j = 0; $j < $q; $j++) {
24       print ${c[$i][$j]} " ";
25     }
26   }
27 }

```



```
l  
print $c[$i][$j]."  
};  
print "<br>";  
}  
else  
{  
    print "multiplication is not possible";  
}  
?> .
```

Dear QV
26/11/2020

Output :-

word end with a is Alabama

word end with xas is Texas

word begin with M followed by anything
end with s is

word begin with k followed by anything
end with s is Kansas

elements in statelists

elements [3] = Alabama

elements [0] = Texas

elements [2] =

elements [1] = Kansas

Program -9

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- Q) write a php program name states.php that declares a variable states with value Texas
- write a php program that does the following
- @Search for a word in the variable states that ends with x as store this word in element 0 of a list named statelist
 - ② Search for a word in states that begins with h and ends with s, perform a concatenation operation, store this word in element 1 of statelist
 - ③ Search for a word in states that begins with t and ends with s. store this word in element 2 of the list
 - ④ Search for a word in states that ends in a store this word in element 3 of the list

Program :-

```
<?php
```

```
$states = "
```

```
$states = explode(" ", $states);  
foreach ($states as $key => $value)  
{
```

```
if (Preg-match ("|x. as $1", $value))
```

```
echo "word end with x as in $value";  
echo "<br />";
```

```

$stateList[0] = $value;
}
if (Preg-match ("|^k.*s|$", $value))
echo "word begin with k followed by anything
end with s is $value";
echo "<br />";
$stateList[1] = $value;
}
if (Preg-match ("|^M.*s|$", $value))
echo "word begin with M followed by anything
end with s is $value";
echo "<br />";
$stateList[2] = $value;
}
if (Preg-match ("|a|$", $value))
echo "word end with a is $value";
echo "<br />";
$stateList[3] = $value;
}
}
echo "elements in stateList <br />";
foreach ($stateList as $key => $value)
Echo "elements [$key] = $value <br />";
}

```

Nov 2020 21/12/2020

Output :-

Table content Before sorting.

| Name | VSN | Branch | Phone |
|--------|------------|--------|------------|
| ram | 4SUITC8019 | CSE | 9913467892 |
| sham | 4SUITC8012 | CSE | 923467892 |
| ravi | 4SUITC8018 | CSE | 9945165432 |
| raju | 4SUITC8004 | CSE | 9810165432 |
| ramya | 4SUITC8025 | CSE | 9985413210 |
| shilpa | 4SUITC8046 | CSE | 9854135461 |

Table content after sorting

| Name | VSN | Branch | Phone |
|--------|------------|--------|------------|
| Raju | 4SUITC8004 | CSE | 9810165432 |
| sham | 4SUITC8012 | CSE | 923467892 |
| ravi | 4SUITC8018 | CSE | 9945165432 |
| ram | 4SUITC8019 | CSE | 9913467892 |
| ramya | 4SUITC8025 | CSE | 9985413210 |
| shilpa | 4SUITC8046 | CSE | 9854135461 |



Program - 10

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

16-4192
6-4192

4. Program :-
Database

```
create database qstudent;
use qstudent;
create table student (Name varchar(30), Usn varchar(10), Address varchar(30));
insert into student values ("Ravi", "A31217001", "KLE", "9834567890");
insert into student values ("Shahn", "A31217002", "KLE", "9834567891");
insert into student values ("Ravi", "A31217003", "KLE", "9834567892");
insert into student values ("Rajiv", "A31217004", "KLE", "9834567893");
insert into student values ("Rajiv", "A31217005", "KLE", "9834567894");
insert into student values ("Shahn", "A31217006", "KLE", "9834567895");
insert into student values ("Shahn", "A31217007", "KLE", "9834567896");
insert into student values ("Shahn", "A31217008", "KLE", "9834567897");
insert into student values ("Shahn", "A31217009", "KLE", "9834567898");
insert into student values ("Shahn", "A31217010", "KLE", "9834567899");
```

```

echo "<h1 align = "center">Table content Before  

sorting </h1>";  

echo "<center> <table border = '1'> <tr> <th>  

Name </th>  

<th> USN </th> <th> Branch </th> <th> Phone </th>  

</tr>";  

while ($row = mysql_fetch_array($res))  

{  

echo "<tr><td>$row[0]</td><td>$row[1]<td>$row[2]<td>$row[3]</td><br/>";  

array_push($a, $row[1]);  

}  

echo "</table></center>";  

$n = count($a);  

for ($i=0; $i < $n-1; $i++)  

{  

for ($j = $i+1; $j < $n; $j++)  

{  

if ($a[$i] > $a[$j])  

{  

$temp = $a[$i];  

$a[$i] = $a[$j];  

$a[$j] = $temp;  

}
}
}
}

```

See (2) 01/12/2020



```
echo "<h1 align='center'>Table Content after sorting</h1>
echo '<center><table border='1'><tr> <th> Name</th>
<th> Age </th> <th> Gender </th> <th> Marks</th>'</tr>';
for each $row as $rowvalue
{
    $rowvalue= mysql_fetch_array($row);
    if ($rowvalue[0] == $rowvalue[1])
    {
        echo "<tr><td>$rowvalue[0]</td><td>$rowvalue[1]</td><td>$rowvalue[2]</td><td>$rowvalue[3]</td><td><br>";
    }
}
```

```
>
echo "</table></center>">
?>
```

*See
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