Web Technology Laboratory With Mini Project

Cokul.K 16DI7CSOID 17COL77 Programs:1-5

Exp:1 [7/12/2020]

Title: Calculator Program Using Javascript

Aim: Write a Java Script to design a simple calculator to perform
the Jollowing operations: Sum, product, difference and quotient

Program:
Z! DOCTYPE HTML>

Zhend>

Zstyle>

table, Ed, th &

table, td, th?

border: Ipx solid black;

width: 330/0;

tent-align: center;

background - color: Paixling;

border-collapse: collapse; 3

table: { maigin: auto; 3

thput { lent-align: 21ght/3 </style>

<stript type="tent/javascript">
function calc(clicked_id) {

Vai vall = paiseFloat (document.get Element By Id ("value 1"). value); veu val2 = paiseFloat (document get Element By Id ("value 2"). value); if (is NAN (vali) 11 is Nan (val2))

alest ('Enter a valid Number)

```
else if (clientalid == "add")
                          document . get Element By Id ("answer"). value = valitual2;
                  else : + (clicked - id = = "sub")
                         document get Element By Id ("answer"). value = val1 - val2;
                  else : + (clicked - id == "mul")
                         document.get Elenar By Id ("answer"). value = val 1 val 2;
                  elu : + (aicked -id == "div")
                         document . get-Element-ById ("anoune"), value = vali/val2;
          function Us() {
               Value 1. value = "0"
               value2. value = "0";
               answer.value = ""
           3
    4/Script>
2/head>
<body>
    ethxodspan = "4"> SIMPLE COLCULATOR Elth>
         4/0>
         LHY
            Ctd> value 12/td>
            Ltd>cinput type="tent" (d="value" value="0"1>2/64>
            Ltd>value 22/ta>
           Ltd>Linput type="tent" id="value2" value="0"/>L/Ed>
        467
           LEd> Linput lyne = "button" value = "Addito" id = "add" onclick = "rate (the.id)"/72/160
        267
           Etcl? Linput type = "button" value = "Suphatum" id# su" onclick = "calc(thuid) 1/7 c/to>
                                       Value="Multipleatin"; el="mul" onclek= "cole (this. 10), 172/10)
           Ltd7 Linput fre = "button"
           Ctd> Cinput the = "button" value = "Division" (d= 'div' oncher = keche (this:d)" 1= 2/160)
        LILY
```

24>

Ltd> Answer: 2/td>

Ltd> Linput type = "tent" id = "anower" value = " " diahed > 4td>

Adreospan ="2" zinput tyre ="button" value ="CLEARALLY onche ="12"/24

447

Utable>

21 body>

ClhtmL>

Output:

SIMPLE (ALCULATOR				
Value 1		ratue 2		
Additon	Subtraction	Muster	custon	[dwision]
Answer?			Levi	ar)

Test cares:

	•			
Text No.	Input Pavametus	Expected Output	Obtained Output	Remarks
1-	val = 10.2 val 2 = 2.3	Addition: 12.5 Subtraction: 7.89 Multiplication: 23.45 Division: 4.43	Addition: 12.5 Subtraction: 7.89 Mulliplication: 23.45 Division: 4.43	Pass
2 -	val 1:0	Addition: 10 Subhacture: -10 Multiplication: 0	Addition: 10 Subtraction: -10 Multiplication: 0 Duision: 0	PA>>>
3.	Val1:10	Addition: 10 Subtration: 10 Mulphoelen: 0 Duision: injunity	Addition: 10 Subvaction: 10 Multiplication O Dinsion: ignity	pars
٠.	val 2 = 2 3	ENTER AVALIDINUMBER		PASS
5.	val):50 val 2: ny 2	ENTER AVALID NUMBER	ENTER AVALTO NUNGER	PASS

```
Exp:2 [7/12/2020]
```

Title: To calculate Squares and Cuties of Numbers

Aim: Write a Javascript that Calculates the squares and cutes of the numbers from 0 to 10 and Outputs HTML tent that displays the crepulting values in an HTML table

```
Program

<! DOCTYPE HTML>

etitm>

Lead>
```

<style> table, tr, td {

border solid black;

Width: 33%;

tent-align: center;

border-collapse: Collapse /

background - color : light blue; 3

table {

mougin ! auto;

3

4style>

LScript>

document. write ("Chable > 2 to > 2th colspon = '3'> NUMBERS FROM 0 TO 10

WITH THEIR SQUARES AND CUBES (160> (160>");

clocurer ownte ("Lbr> Ltd> Number
2 td> & April are Lltd > Ltd > Cltd > Cltd

for (var n=0; n = 10; n ++) {

documer . word ("Lbr> Ctd>"+ n+ "//d> Ltd>"+ n=n+"//td> Ltd>"

+n*n*n+ "</ld> </ld>

document. write ("2/Eurie>")

C/scrpt>

c/head?

Chimi>

Output:

| NUMBERS FROM 0 TO 10 WITH
THEIR SQUARES & CLOSES | | | | |
|---|--------------|------|--|--|
| Number | Square Curre | | | |
| . 0 | 0 | 0 | | |
| ١ |) | 1 | | |
| 2 | 4 | 8 | | |
| 3 | q | 27 | | |
| 4 | 16 | 64 | | |
| 5 | 25 | 125 | | |
| 6 | 36 | 216 | | |
| 7 | 49 | 343 | | |
| 8 | 64 | 512 | | |
| ٩ | 81 | 729 | | |
| 10 | loo | 1000 | | |

Exp:3 [8/12/2020]

Title: Javascript code to grow & Shrink the given lent in given format Aim: Write a Javascript Code that displays lent "TEXT-GROWING" with increany font-size in the interval of 100ms in RED colour, when the font size reaches 50pt it displays "TEXT-SHRINKING" in BLUE colour. Then the font size decreases to 5pt.

Program

LI, DOCTYPE HTML>

Lhtm1>

Lhead>

Zstyle>

PS

font-family i sans-sent;

position: absolute;

top :50%;

Lyr; 50 %;

Grandown: warslate (-50 %, -50 %);

3

```
2/style>
4/head>
Lbody>
     (Scrpt>
         Vau vail = set Inleval (in Times, 1000);
         van fs=5;
         vai ids = document. gettlemat By Id ("demo");
         function in Times () {
              Tols . InneiHTML = TEXT CROWINGI;
              ids. SetAttorbule ("style", "font-size: " + fs+ "px; colour: red");
               fs+=5;
              94 (fs>=50) {
                    clearInterval (var);
                     vauz = set Inveral (de Time, 1000),
               33
         function detiment) {
              fs -=5;
               ido .: nnerHTML = 'TEXT SHRINKING';
               ido . set Albribule ('Style ', "font-size: "+ fs + "px; cotor: bive");
        14 (B=== 5) {
              clear Inkival (var2);
        33
   4/script?
 41 body>
4htm1>
 Output.
```

TEXT - GROWING

TEXT-SHRINKING

```
EXP-4: [9/12/2020]
```

Title: Develop and demonstrate a HTML 5 file with Javascript to solve prescribed problems

Aim; Develop and demonstrate a HTML5 file that includes JavaScript that Uses functions for the Jollowing problems:

@ Pavarneks: A string

6 Output: The position in the sting of the left-most vouvel

@ Parameter ". Anomher

@ Output: The number of dig: b in the revenu order.

```
Program:
< ! DOCTYPE HTML>
<html>
    <body>
        LSCript>
            Vou str = prompt ("Enda the Input", "");
            if (! (anan (st)))
                   Vai num, nev=0, remainder;
                   num = paneInt (str);
                   cohile (num!=0) 9
                         remainder = num o/olo;
                         num = paveInt(num/10);
                         nev = sev > 10 + remainder;
                   alest ("Perine of "+sh4" is "+ new");
            ehr
                 Str = Str. 600 pper (arel);
                 for (var 1:01 12 str. length; 14)
                 ۶
                       von ch = Str, chrAt(1);
                       "if (ch == "A" || ch == "E" || ch = "I" || ch == "0" || cm == "U")
                       break;
                3
```

of (ic shelength)

alert ("The position of the left most vound is "+ (:+1));

che

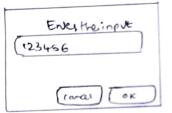
abelt "No would found in the enterl sty");

3 2/scrpt>

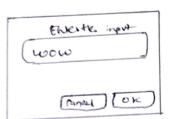
C/body>

C/Hm1>

Output:



| Revere of | 123456 50 654321 |
|-----------|------------------|
| | |
| | COK |



The position of the left most voud is 2

Test cases

| PerbNo. | Input Params | Expected 018 | Obtaned Olp | Derrous |
|---------|--------------|---|---|---------|
| 1 | 123 | Persone of 123 20 321 | Paveg 123 w 321 | PASO |
| 2 | Ciopalem | The pasture of the light most voud is 2 | Traposition of the left most vowed in 2 | PAYS |
| 3 | Sky | No vowel found in the entered Sty | No would jound in the ented sing | PARS |
| 4 | MOKTO | The position ofthe refer most voiced is 5 | mest void: 35 | paro |

EXP-5: [9/12/2020]

Tille Design XML document to store information of a student and to create a CSS style sheet to display the document

Aim: Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, College Name, Branch, Year of Joining and email-Id. Make up Sample data for 3 students. Creare a CSS style steet and UX it to display the document.

Program: (5. XML)

<?xml-stylesheet type="tent/cas" hig = "5.cas"?>

2! DOCTYPE HTML>

Chamb

Lhead?

Chi>STUDENTS DESCRIPTIONALINI>

Clread>

(students>

(Student?

CUSN) USN: 14D17CD012/USN7

Lname> NAME : AJAY & hame>

2 college > COLLEGE: GCEM 2/college>

L'branch > BRANCH : CSE L/branch>

Cyear> YEAR: 2017 2/4eur>

Lemail > E-mail: asay @gmail.com (e/e-mai)

4/shalest>

2student>

LUJN7 USN;19017000024/USN7

Lucime> NAME: AKHIL LIname'>

Lcollege > Collect : CICEM L/college>

L'branch > BRANCH : COE & / branch >

(year) YEAR: 2017 6/48017

Lemait E-Mail: akhil@gmail.com/le-mail

4shdar >

```
2Studend>
             LUSN> USN: 1001260034/USN>
              Ename> NAME: AMAN Unane>
             ccollege? COLLEGE: CICEM 2/10/11496>
              L branch> BRANCH: CSE Clbrown>
              Lyear> YEAR: 2017 Lyear>
              Le-mail Email: aman agmail. com (chai)
        Listoderto
   Clstudoub>
Uhtm17
(5.cs)
 Stodert &
     display; block;
     margn-top:10px;
     Color inary; 3
SUSO
    display: block;
     mongn -lest: 10px;
    ford-size; 14pt;
     (dor: ped; &
 name {
     display; block;
    margin left ! 20px;
     fant-S12e; 14pt;
     color; Blue; 3
  College &
      aisplay: block;
       morgy -lest: 20px;
       font's 126:12pt;
       color: maroon,}
```

```
branch {
    display: block;
    mayin-lest: 20px;
    font-Size: 12pt;
     (dor : purple; 3
year E
   display; block;
    margin-left: 20px;
    fort sne: 14pt;
    color, areeni 3
e-mail
E display! block;
   morgin-left: 20px;
   font-Size; 12pt;
    Color ; Blue
3
```

Output:

STUDENTS DESCRIPTION

104007FRD); MZU

NAME: AJAY

COLLEGE: GLEM

BRANCH: USE

YEAR: 2017

Email: agay Egmail.com

USN: 14017-600102

NAME . AKHIL

COLLEGE : CILEM

BRANCH : COE

YEAR : 2017

Email: aktil @gmail.com.

USW: 14017CS 003

NAME: AMAN

COLLECTE: CITEM

BRANCH: CSE

YEAR : 2017

E-mail: amare grancom

Exp: 6 [1/1/2020]

Title: PHP magram to find and display the number of visitors visity the web page

Aim: Write a PHP program to keep brack of the number of visitors visity the emopage and to display this count of visitor, with propar headings

Program

4? php

I file = 'counter. tot'

Grown = stread (file - get - contents (file));

file_put-contents (I file I count +1);

Ccho "Z center > Chi > VISITOR COUNT Z/ni>";

echo "Kh3> You are visitor number!". &count: "L/h3> < 1colo 7";

VISITOR COUNT

You are visitor number of

Exp: 7 [11/2/2020]

Tite: PHP program to display the curest time of the sense.

Aim; wie a PHP program to display adjusted clock which displays the anser time of the sever

Program:

LIDOCTYPE HTML>

1htm>

Lnead?

phin /

13

```
Zmeta http-equiv = "repent " contet = "1 1/>
2style>
P {
Colour: white;
tond-size: 90px;
Position: absolute;
top:50%;
lef-: 50%;
transform : translate (-54, -50%);
3
body & background - color ! black i 3
e/styre>
2p>
<?php
 echo date ("h: : sA");?>
LIP
4 head?
```

10:44:08 AM