Only Java script Conspecap

Javascript popup Boxes (Dailog box)

~~Srer~~ Screen પાસુ પર બીજુ Screen ખુલે તેને popup Boxes or Dailog box કહેવાય છે.

তিন ধরনের হয়

(1) Alert Box
(2) confirm box
(3) Prompt box

1 Alert Box

Syntax :-

```
alert ("soft text");
```

1 Alert Box demo

```
<html>
<head>
<script type = "text /javascript">
alert (" welcome Home");
</script>
</head>
<body>
</body>
</html>
```

Output

This Page says welcom Home ok

2 ~~Alr~~ Alert Program in javascript

```
<html>
<head>
<script type ="text/ javascript">
```

```
Var  a,b;
a =40;
b = 30;
Var  sum=0;
sum =a+b;
alert ("sum of value is =" +sum);
if(a>b)
{
 alert(" a is  greater  then b");
}
else
{
 alert(" b is  greater  then a");
}
document.writ  (" completed ");
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

1.

This page says
sum of value is =70
ok

2.

This page says
a is greater then b
ok

3. completed

2 confirm box [illegible] Yes [illegible] No [illegible] bollan value [illegible]

confirm box confirm("sometex");

```
<html>
<head>
<script type="text /javascript">
 if (confirm (" Are you sure to want delete?"))
{
   document.write ("yes, its has been delete");
}
else
{
   document. write (" cancle");
}
document. write ("completed");
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

1.

This page says

Are you sure to want delete?

ok cancle

ok પર ક્લિક કરતા

2. ~~yes~~

This page says

yes, its has been delete?

ok | canle

3.

completed

Prompt box → Page ની અંદર જતા પહેલા User પાસે થી value લઈ શકાય છે.

→ enter કરવા માટે Dailog box વાપરે છે.

Prompt("sometext","defualtvalue");

4 Prompt box

```
<html>
<head>
<script type="text/javascript">
var name, city;
name = Prompt("Enter your name","kamani
                science collage");
city = Prompt("Enter your city","Amreli");
document.write("my name is"+name+" I am
                living in"+city+"<br>");
document.write("completed");
</script>
</head>
<body>
</body>
</html>
```

બોલાવા number value પર input કરવી હોય. Kamani Scinece લખ્યું જો હોય તો આ Value આવી જશે.

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output

1. This Page says
Enter your name
[kamani scienc c..]
[ok]

2. This Page says
Enter you city
[Amreli]
[ok]

3. my name is kamani science college I am living in Amreli
completed

→ Prompt box નો નિયમ છે કે જે value input કરો તે string તે છે. તેને integer માં ફેરવી પડશે.

→ જ્યારે તેને integer બનાવું હોય ત્યારે parseInt () ઉપયોગ થાય છે.
→ જો float હોય તો. Parstfloat ઉપયોગ થાય છે.

5 Prompt box (Use is ParseInt)

```
<html>
<head>
<script type="text/javascript">
var a,b;
var sum=0
a=prompt("Enter value of A","10");
b=Prompt("Enter value of B","20");
```

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```
document.write("value of a is =" +a+ "Value
                of b is =" +b+ "<br>");
sum = ParseInt(a) + ParseInt(b);
document.write ("sum of value is =" +sum+ "<br>");
document.write ("completed");
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

1. This Page say
enter value of A
[10]
[ok]

2. This Page say
enter value of B
[20]
[ok]

3. Value of a 10 value of b is 20
sum of value is = 30
completed

[6] three in value is big Prompt

```
<html>
<body>
<script type = "text /javascript">
```

```
a= Prompt ("Enter value of a","5");
b = Prompt ("Enter value of b","10");
c = Prompt ("Enter value of c","15");

document.write ("Available value are =" +" "+b+" "+c+" <br>");
 if (a>b && a>c)
{
  document. write ("A in bigger value");
}
else if (b>a && b>c)
{
  document.write ("B is is bigger value");
}
 else if (c>b. && c>a)
 {
   document.write ("c is bigger value");
}
else
{ document. write ("sam values");
}
</script>
<body>
</body>
</html>
```

OUTPUT

1. This page say
Enter value of a
5
ok

2. This page say
Enter value of b
10
ok

3. This page say
Enter value of a
15
ok

Available values are = 5 10 15
c is bigger value

7 * symbol use prompt

```
<html>
<body>
<script type = "text/javascript">
Var a,b,c,cal;
a = parseInt(prompt("Enter value of a ","5"));
b = parseInt(prompt("Enter value of b","10"));
c = prompt("Enter value of c symbol","+,-,*,/");

document.write ("value are =+a+""+c+""+b+""<br>");
switch(c)
{
    case"+":
        cal = a+b;
    break; document.write("sum of a and b is =+cal+"<br>");
    case "-":
        cal = a-b;
    document.write("subract of a and b is=+cal+"
                    "<br>");
        break;
    case "*":
        cal = a*b;
    document.write("multiplication of a and
                    b is =+cal+"<br>");
        break;
    case "/":
        cal = a/b;
    document.write("devision of a and b is=+cal+"<br>");
        break;
```

```
default:
    document.write ("Enter proper symbol");
    break;
}}
```

8 sum value of prompt box

```
<html>
<head>
<script type ="text /javascript">
var i,a,b,sum=0;
a=parseInt(prompt("Enter start value","1"));
b=parseInt(prompt("Enter end value","10"));
for(i=a; i<=b; i++)
{
 sum=sum+i;
}
document.write("sum of start value a and b"+
                sum+<br>");
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

1. This page says
Enter start value
5
ok

2. This page says
Enter start value
10
ok

3. sum of start value a and b 45

Javascript functions :-

→ Usere defiene functions :-

→ પોતાની જરૂરિયાત મુજબ functions બનાવવા.

→ Syntax :-

```
function functionume (var1, var2 ....., varxx)
{
   somecode
}
```

→ fuction પછી space પછી () આપવાનું છે.

→ funtion small માં લખવાનું છે.

→ જ્યા સુધી user input પર ક્લિક ન કરે ત્યા સુધી કાંઈ થતું નથી.

→

7 example :- (Uessere defiene functions)

```
<html>
<head>
<script type="text/javascript">
function message ()
{
   document.write ("Hell, world");
   document.write ("<br> good morning");
}
message();
</script>
</head>
<body>
</body>
</html>
```

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OUTPUT

Hell, world
good Morning

UDF ની રીત 3 રીત છે. (1) ~~no argrumen with no Return Value~~
~~(3) with a no~~

1

2 no argrament no Return Value

```
<html>
<head>
<script type="text/javascript">
function calculate ()
{
  var a=20;
  var b=30;
  var sum=0;
  var avg;
  sum = a+b;
  document.write ("sum of value are:"+sum);
  avg = sum/2;
  document.write ("average of value is:"+avg);
}
</script>
</head>
<script type="text/javascript">
calculate();
</script>
</body>
</html>
```

PAGE NO
DATE

OUTPUT

sum of value are : 50 average of value is 25

3 ~~with argurment no Retune value~~

2 with argurment no Retune value

```
<html>
<head>
<script type="text/javascript">
function chek_value (a,b)
{
    if (a>b)
    {
      document.write("a is big");
    }
    else
    {
      document.write ("b is big");
    }
}
<bcript>
<head>
<body>
<script type :="text/javascript">
var a=parseInt (prompt ("Enter value of A"));
var b=parseInt (prompt ("Enter value of B"));
chek_value (a,b);
</Script>
</body>
</html>
```

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Output

1. This page says
Enter value of A
15
ok

2. This page says
Enter value of B
30
ok

3. ~~This page says~~
~~En~~
b is big

3

4 no argument with Retune value

```
<html>
<head>
<script type="text/javascript">
~~function chek value (m,n)~~
~~{~~
~~if(m>n)~~
~~{~~
~~document~~
function check_value ()
{
m=ParseInt (Prompt("Enter value of m"));
n = ParseInt (Prompt("Enter value of n"));
var area;
area = m*n;
return area;
}
</script>
</head>
<body>
```

```
<script type ="text /javascript">
var arr;
arr = chek_value();
document.write ("area of rectenle is="+
                arr);
</script>
</body>
</html>
```

OUTPUT

1. This Page say
Enter value of m
3
OK

2. This Page says
Enter value of n
5
OK

3. area of rectenle is =75

3

(5) no argument with ~~example~~ Retune value ex-2

```
<html>
<head>
<script type="text /javascript">
function check_value ()
{
    var pi =3.14
    var read =parseInt (prompt("Enter value of
                radius"));
    var area;
    area = pi * read* read
    return area;
}
</script>
```

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```
</head>
<body>
<script type =" text /javascript">
Var arr;
arr =chek_value();
document.write ("area of circle is="+arr);
</script>
</body>
</html>
```

Out Put

1. This Page says
Enter value of radius
[ ]
[OK]

2. area of circle is =

4

6 with argument with Retune value

```
<html>
<head>
<script type ="text/javascript">
var m1,m2,m3,total;
m1 =parseInt(prompt("enter make of funda"));
m2 = ParseInt (prompt("enter make of c lang"));
m3=ParseInt (Prompt ("enter make of funnd P."));
total= calulalate (m1,m2,m3);
document. write ("Total of marks ="+Total+"<br>");
Var per =total/3;
document.write ("Percentage = "+per);
```

homework
rectegal → area
seqer → area
circal → area

Paramiter

circle Pie = 3.14 s^2
square [s^2]
traagle = a×b
Rm = l×w

```
function calculate (a,b,c)
{
    var tot = 0;
    tot = a+b+c;
    return tot;
}
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

1. This Page says
enter mark of funda
[65]
[ok]

2. This Page says
enter marke of c lang
[75]
[ok]

3. This Page says
enter make of funda. P.
[70]
[ok]

4. Total of make = 210
Percentage = 70

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Que more Logical opertores use in a C), breakes use.....

```
<html>
<head>
<script type ="text/javascript">
var a=60, b=70, c=80
if(a<b && (a<c || a!=c))
{
  document.write("yes condition true");
}
else
{
 document.write("yes condition false");
}
</script>
</head>
<body>
</body>
</html>
```

OUTPUT

yes condition true

Javascript Hold and this book start to Array.

Array

(1) fast method -(1) Array

```
<html>
<body>
<script type="text/javascript">
var car =new Array();
car [0]="verna";
car [1]="dezire";
car [2] = "dustor";
car [3] = "xuv";

document.write (car [0] + "<br>");
document.write (car [1] + "<br>");
document.write (car [2] + "<br>");
document.write (car [3] + "<br>");
</script>
</body>
</html>
```

output

```
verna
dezire
dustor
xuv
```

→ method 1 syntax is:-

var name =new Array();

- new is a keyword

→ defien Array syntax is:-

document.write (name [0]);

2 second method-2
(direct value Asin)

```
<html>
<body>
<script type="text/javascript">
var car=new Array("SUV500","Verana","dezire",
"xuv","cluz");

document.write(car[0]+"<br>");
document.write(car[1]+"<br>");
document.write(car[2]+"<br>");
document.write(car[3]+"<br>");
document.write(car[4]+"<br>");

</script>
</body>
</html>
```

OUTPUT

```
SUV500
Verna
dezire
xuv
cluz
```

→ method-2 ની syntax :-
var name=new Array("n1","n2","n2");

→ જ્યારે Array ની size ની ગણતરી કરવા ત્યારે .length ની ઉપયોગ કરી ચકાસવા નો variable ની બાજુમાં લખાય છે.

3 .length use

```
<html>
<body>
<script type="text/javascript">
var car=new Array(10,60,90,50,20,30,80,70,
100,150,320,120);

for (var i=0;i<car.length;i++)
{
document.write(car[i]+"<br>");
}
</script>
</body>
</html>
```

OUTPUT

```
10
60
90
50
20
30
80
70
100
150
320
120
```

4 More value uses short method loops:-

```
<html>
<body>
<script type="text/javascript">
var car =new Array();
len =parseInt (Prompt ("Enter number of value"));

for (i=0;i<len;i++)
{
 car [i] =Parse]nt(prompt("Enter value"));
}
for (i=0;i<len;i++)
{
 document write ("element"+i+":"+car[i]+"<br>");
}

</script>
</body>
</html>
```

Output

1. Enter number of value
   4
   ok

2. Enter value
   10
   ok

3. Enter value
   20
   ok

4. Enter value
   50
   ok

5. Enter value
   60
   ok

Output 5

```
element 0:10
element 1:20
element 2:50
element 3:60
```

5 Sum in Arrays

```
<html>
<body>
<script type="text/javascript">
var car =new Array();
var i,len, sum=0;

len =ParseInt (Prompt ("Enter number of value"));

for (i=0;i<len;i++)
{
 car[i]=ParseInt (Prompt ("Enter numric value"));
}
for (i=0;i<len;i++)
{
    ~~sum+=car~~ sum+=car [i];
}
document. write ("sum of value are="+sum);
</script>
</body>
</html>
```

Output

1. Enter number for value
3
Ok

2. Enter numric value
10
ok

3. Enter numric value
20
Ok

4. Enter numric value
15
ok

5. Sum of value are =45

String

String function uses

1 charAt(); , concat(" ",text2) , indexof , Lastindexof :-

```
<html>
<body>
<script type="text /javascript">
var str="kumani science";
var col="college";
var fullname;
fullname=str.concat(" ",col);

document.write("charactor at=" +str.charAt
(4)+"<br>");
document.write("charactor at=" +str.charAt
(10)+"<br>");
document.write("concate string"+fullname+"<br>");
document.write("Index of string="+str.indexof
("u")+"<br>");
document.write("Index of string="+str.indexof
("n")+"<br>");
document.write("Index of string="+str.last-
Indexof ("n")+"<br>");
</script>
</body>
</html>
```

Output

charactor at=n
charactor at=e
concate string kumani Science collage
Index of string=1
Index of string=4
Index of string=11

2 match(), replace(), search(), slice, split, substr, substring, to lower case, to upper case

```
<html>
<body>
<script type="text/javascript">
var s1="hello";

var str="kamani Science";
var fullname;
fullname=Pritam;
if(s1.match(fullname))
{
document.write("match string"+"<br>");
}
else
{
 document.write("match string is No"+"<br>");
}
document.write("sstring replace="str.replace
                ("kamani","Parataprai")+"<br>");
document.write("search string="+str.search
                ("kamani")+"<br>");
document.write("slice string="+str.slice(0,6)+
                "<br>");
document.write("slice string="fullname.slice
                (15,22)+"<br>");
document.write("sub string="+fullname.substring
                (7,14)+"<br>");
document.write("sub string="+fullname.substring
                (0,14)+"<br>");
document.write("substr value="+fullname.
                substr(0,10)+"<br>");
```

```
document.write("substr value="+fullname.
                substr(10,2)+"<br>");
document.write("upper case value="+fullname
                .toUppercase()+"<br>");
document.write("lower case value="+fullname.
                toLowerCase()+"<br>");

</script>
</body>
</HTML>
```

output

```
Not match
sstring replace=prataprai Science
search string=0
Slice string=kamani
Slice string=college
sub string=science
sub string=kamani Science
substr value=kamani Sci
substr value=en
upper case value=KAMANI SCIENCE COLLEGE
lower case value=kamani Science college
```

3 String HTML Wrapper Methods

(1) big()
(2) small()
(3) blink()
(4) bold()
(5) fixed()
(6) italics()
(7) Strike()
(8) fontcolor()
(9) fontsize()

```
<html>
<body>
<script type="text/javascript">
var str = "Hello, How are you?

document.write ("Bigger font="+str.big()+"<br>");
document.write ("smaller font="+str.small()+"<br>");
document.write ("Blink font="+str.blink()+"<br>");
document.write ("bold font="+str.bold()+"<br>");
document.write ("fixed font="+str.fixed()+"<br>");
document.write ("italics font="+str.italics()+"<br>");
document.write ("strike font="+str.strike()+"<br>");
document.write ("color font="+str.fontcolor("blue")+"<br>");
document.write ("size font="+str.fontsize("2")+"<br>");

</script>
</body>
</html>
```

OUTPUT

Bigger font= Hello, How are you?
Smaller font= Hello, How are you?
Blink font= Hello, How are you?
bold font= **Hello, How are you?**
fixed font= Hello, How are you?
italics font= *Hello, How are you?*
Strike font= ~~Hello, How are you?~~
color font= Hello, How are you?
size font= Hello, How are you?

4 .Math (M is capital) object Methods
abs(x), ceil(x), random(), exp(x), max(x,y,z...n), min(x,y,z...,n), pow(x,y), sqrt(x), random(), E

```
<html>
<body>
<script type="text/javascript">
document.write ("abosulet value="+Math.abs(35)+
"<br>");
document.write("abosulet value="+Math.abs(-75)
+"<br>");
document.write ("ceil value="+Math.ceil(-3.4)+"<br>"
);
document.write("ceil value="+Math.ceil(45.56)+
"<br>");
document.write ("floor value="+Math.floor(12.45)
+"<br>");
document.write ("floor value="+Math.floor(-12.98)
+"<br>");
document.write("round value="+Math.round(25.65)+
+"<br>");
document.write("round value="+Math.round(25.45)+
+"<br>");
document.write("exponantial value="+Math.exp
(2)+"<br>");
document.write("Maximum value="+Math.max
(10,36,45,12,1,89,100)+"<br>");
document.write("minimum value="+Math.min
(10,36,45,12,1,89,200)+"<br>");
document.write("power value"=+Math.pow(2,3)+"<br>");
document.write("power value"=+Math.pow(3,4)+"<br>");
```

```
document.write ("square root value=" + Math.sqrt(221)
        + "<br>");
document.write ("random value=" + Math.random() +
        "<br>");
document.write("EUMar value=" + Math.E + "<br>");
</script>
</body>
</html>
```

output

```
abosulet value =35
abosulet value =75
ceil value =3
ceil value =46
floor value =22
floor value =13
round value =26
round value = 25
exponantial value = 7.389056098930650
maximum value = 200
minimum value = 1
power value =8
power value =81
square root value = 11
random value = 0.780081
EUMar value = 2.7182
```

5 Date object Properties

- .getDate (from 1-31)
- .getMonth() (0-11)
- .getDay (from 0-6)
- .getHours() (0-23)
- .getfullyear (four digits)
- .get Minutes() (0-59)
- .get seconds() (0-59)

```
<html>
<body>
<script type="text/javascript">
var d=new Date();
document.write ("today date:=" + d.getDate() + "<br>");
document.write("today dutys date:=" + d.getDay() + "<br>");
document.write ("year value :=" + d.getFullyear() + "<br>");
document.write("month value := +" + d.getMonth() + "<br>");
document.write(" todays time :=" + d.getHours() + "<br>");
document.write(" todays minute:=" + d.getMinutes() + "<br>");
document.write("today second:=" + d.getSeconds() + "<br>");

</script>
</body>
</html>
```

output

```
todays date:=2
todays date:=3
year value :=2020
month value:=11
todays time:=12
todays minute:=26
todays second:=49
```

6 Array Object

- .length
- .concat
- .join
- .pop
- .push
- .reverse

```
<html>
<body>
<script type="text/javascript">
var fruit = new Array("banana","apple","mangoes","grapes");
var veg = new Array("Potato","tomato","bringles","onion");
var other_array = fruit.concat(veg);
document.write("length of array =" +fruit.length "<br>");
for (var i=0;i<other_array.length;i++)
{
 document.write(other_array[i] +"<br>");
}
document.write("array join:=" +fruit.join(",") +"<br>");
document.write( veg.pop()+"<br>");
document.write("Remain array element =" +veg +"<br>");
document.write(veg.pop() + "<br>");
document.write("Remain array element =" +veg+"<br>");
document.write(fruit.push("watermelon")+"<br>");
document.write("New array:=" +fruit+"<br>");
document.write(fruit.push("pineapple")+"<br>");
document.write("New array:=" +fruit+"<br>");
document.write("Reverse array=" +fruit.reverse() +"<br>");
</script>
</body>
</html>
```

Output

```
length of array =4
banana
apple
mangoes
grapes
potato
tomato
bringles
onion
array join:=banana,apple,mangoes,grapes
onion
Remain array element=potato,tomato,bringles
bringles
Remain array element =Potato,tomato
5
New array:=banana,apple,mangoes,grapes,
watermelon.
6
New array:= banana,apple,mangoes,grapes,watermelon,pineapple
Reverse array=pineapple,watermelon,grapes,
mengoes,apple,banana
```

7 Onclick button use

```
<html>
<head>
<script type="text/javascript">
function
```

```
function dispaly ()
{
  var name = document.getElmentById("text1")
              .value;
  document.write (name);
}
</script>
</head>
<form>
<h3> onclick event demo </h3>

<p>Click on the button when form display
</p></br>

Enter your name:<input type="text" id=
"text1" /><br>

<button id ="b1" onClick = "display()">
click me </button>
</form>
</body>
</html>
```

Output

1. Onclick even demo

click on the button when form display

Enter your name [Pritam]

• [click me]

2. Pritam

8 On click button use full name

```
<html>
<head>
<script type ="text/javascript">
function display()
{
  var name =document.getElementById
              ("text1").value;
  var sirname=document.getElementById ("text2")
              .value;
  var fullname=name+" "+sirname;
document.getElementById("disp").innerHTML =
~~fullname~~ fullname;
}
</script>
</head>
</body>
<form>
<h3> Onclick event demo</h3>
<p> click on the button when form display</p>
</br>
Enter your name:<input type ="text" id="text1"
/><br>
Enter your ~~name~~ sirname:<input type ="text" id="text2"
/><br>
```

```
<button id="b1" onclick="display()">
 click me</button>

<p id="disp"></p>
</form>
</body>
</html>
```

Output

```
Onclick event demo
click on the button when form display

Enter your name [Pritam]
Enter your name [makwana]

[click me]

Pritam makwana
```

9 On click button use Upper case

```
<html>
<head>
<script type="text/javascript">
function display()
{
  var name = document.getElmentById("text1").
          value;
  var sirname = document.getElmentById("text2").
          value;
```

```
var fullname=name+" "+sirname;
document.getElementById("disp").innerHTML=fullname.
          fullname.toUppercase();
document.getElementById("text3").value=fullname.
toUpper case();

</script>
</head>
<body>
<h3>onclick event demo</h3>
<p>click on the button when form display</p>
</br>

Enter your name:<input type="text" id="text1"/>
<br>
Enter your sirname:<input type="text" id=
"text2"/><br>
Fullname:<input type="text" id="text3"/><br>

<button id="b1" onclick="display()">click me</
button>

<p id="disp"></p>
</body>
</html>
```

Output

```
Onclick event demo

Click on the button when form display
```

Enter your name [Pritam]
Enter your sirname [Makwana]
Full name [PRITAM MAKWANA]

[Click me]

PRITAM MAKWANA

10 Onclick button use sum [+]

```
<html>
<head>
<script type="text/javascript">
function calculate()
{
var a=document.getElementById("val1").value;
var b=document.getElementById("val2").value;
var sum=0;
sum=parseInt(a)+parseInt(b);

document.getElementById("result").
value=sum;
}
</script>
</head>
<body>
<h3> onclick event demo</h3>
<p> click on the button when form display
</p></br>
Enter value A: <input type="text" id="val1"/>
<br>
```

10 b-4 + 7 text box button

```
Enter value B: <input type="text" id="val2"
/><br>
Result: <input type="text" id="result"/>
<br>
<button id="b1" onClick="calculate()">
click me</button>
</body>
</html>
```

[OUTPUT]

Onclick even demo

click on the button when form display

Enter value A [15]
Enter value B [30]
Result [45]
[Click me]

11 Onclick button use +,-,* and /

```
<html>
<head>
<script type="text/javascript">
function addition()
{
var a=document.getElementById("val1").value;
var b=document.getElementById("val2").value;
var sum=0;
sum=parseInt(a)+parseInt(b);
document.getElementById("result").value=sum
}
```

```
function subtract()
{
  var a=document.getElementById("val1").value;
  var b=document.getElementById("val2").value;
  var minus=0;
  minus=parseInt(a)-parseInt(b);

document.getElementById("result").value=minus;
}
function multi ()
{
  var a=document.getElementById("val1").value;
  var b=document.getElementById("val2").value;
  var mul=0;
  mul=parseInt(a)*parseInt(b);

document.getElementById("result").value=mul;
}
function devision()
{
  var a=document.getElementById("val1").value;
  var b=document.get
  var devi=0;
  devi=parseInt(a)/parseInt(b);

document.getElementById("result").value=devi;
}
</script>
</head>
<body>
```

read only use করলে টাইপ করা যায় না.

```
<h3> onclick event demo</h3>
<p> click on the button when form display
<p></br>
Enter value A: <input type="text" id="val1"/>
<br>
Enter value B: <input type="text" id="val2"/>
<br>
Result: <input type="text" id="result"/></br>

<button id="b1" onclick="addition()">+</button>
<button id="b2" onclick="subtract()">-</button>
<button id="b3" onclick="multi()">*</button>
<button id="b4" onclick="devision()">/</button>

</body>
</html>
```

Output

Onclick event demo
click on the button when form display
Enter value A: 20
Enter value B: 30
Result: 50
+ - * /

→ Click + button

12 Onclick use Enter text box Upper case text

```
<html>
<head>
<script type="text/javascript">
```

```
function calculate()
{
 var a=document.getElement ById("val1").value;
 var b=document.getElementById("val2").value;

 document.getElementById("val1").value=a.toUppercase();
 document.getElementById("val2").value=b.toUppercase();
}
</script>
</head>
<body>
<h3> Onclick event demo</h3>
<p>click on the button when form display</p>
</br>

Enter value A: <input type="text" id="val1"></br>
Enter value B: <input type="text" id="val2"></br>

<button id="b1" onClick="calculate()">upper</button>
</body>
</html>
```

OUTPUT

```
Onclick event demo
click on the button when form display
1. Enter value A: Pritam
   Enter value B: Gopal
   upper

2. Enter value A: PRITAM
   Enter value B: GOPAL
```

13 OnBlur

```
<html>
<body>
<script type="text /javascript">
function display()
{
 var name = document.getElement ById("val1").value;
 var sirname =document.getElement ById("val2").value;
 var fullname=name+" " +sirname;
 document.getElementById("result").value=fullname;}
 ~~body~~ </script></head><body>
 Enter name: <input type="text" id="val1"/></br>
 Enter sirname: <input type="text" id="val2" ~~onBlur~~
                onBlur="display()"/></br>
 full name : <input type="text" id="result"
                readonly /></br>
</body>
</html>
```

OUTPUT

```
Enter name: Pritam
Enter sirname: Makwana
fullname: Pritam makwana
```

15 OnFocus, 14 onchage

```
<html>
<head>
<script type="text/javascript">
function ~~background~~ backcolor()
{
document.getElementById("val1").style.background
        Color="#e96";
document.getElementById("val1").style.~~background~~
        border="2px";
</script>
</head>
<body>
Enter name: <input type="text" id="val1" onfocus
        ="backcolor()"/><br>
Enter sirname: <input type="text" id="val2"/>
        Onchange="display()"/><br>
full name: <input type="text" id="result"
        readonly /><br>
</body>
</html>
```

Output

Enter name [Pritam]
Enter sirname [Makwana]
Fullname [Pritam Makwana]

* keyboard Event
- Onkeydown
- Onkeypress
- OnkeyUp

This usam bus press ok use spatialkey

16 Onkeydown & Onkeypress

```
<html>
<head>
<script type="text/javascript">
function display()
{
  var a= document.getElementById("val2").value;
  document.getElementById("val2").value=a.
    toUppercase();
}
function disp()
{
  document.getElementyById("val2").style.
    backgroundcolor ="#3fg";
</script>
</html>
</head>
<body>
```

```
Enter name:<input type="text" id="val2"
        Onkeypress="disp()"/><br>
Enter sirname: <input type="text" id="val2"
        Onkeydown="display()"/><br>
fullname :<input type="text" id="result"
readonly/><br>
</body>
</html>
```

Output

Enter name: [Pritam]
Enter sirname: [Makwana]
fullname: [Pritam Makwana]

17 OnkeyUp

```
<html>
<head>
<script type="text/javascript">
function display()
{
  var a= document.getElemenById("val2").value;
  document.getElementById("val2").value=a.to
    Uppercase();
}
function disp()
{
  document.getElementById("val2").style.background
    color="#3fg";
}
</script>
</head>
```

```
<body>
Enter name:<input type="text" id="val1" onkey
        OnkeyUp="disp()"/><br>
Enter sirname:<input type="text" id="val2"
        OnkeyUp="display()"/><br>
Full name:<input type="text" id="result"
        readonly/><br>
</body>
</html>
```

Output

```
Enter name: zzzzzzzz
Enter sirname: ABCDEF
fullname :
```

18 OnMouseMove

```
<html>
<head>
<style type="text/css">
div {borader:#000c 2px solid;
height:200px;
width:200px;}
</style>
</head>
<body>
<div id="mydiv" onMouseMove="scale(event)">
</div>
<p id="demo"></p>
<script type="text/javascript">
function scale(e)
{
var x=e.clientx;
var y=e.clienty;

var coord="coordinatea:("+x+","+y+")";
document.getElementById("demo").innerHTML
=coord;
}
</script>
</body>
</html>
```

Output

```
*
coordinatea:(9,9)
```

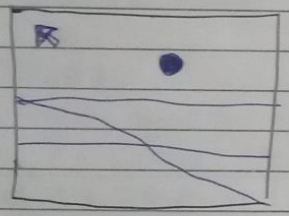
19 onMouse Out

```
<html>
<head>
<script type="text/javascript">
function over(e)
{
e.style.heigh="300px";
e.style.width="300px";
}
```

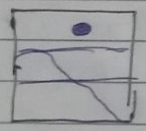
```
function out(e)
{
    e.style.height = "100px";
    e.style.width = "100px";
}
</script>
</head>
<body>
<img src="file:///c|Users//admin/Downloads/
        wallpaper/2360074.jpg" height="200"
        width="200" onMouseOver="over
        (this)" onMouseOut="out (this)">
</body>
</html>
```

Output

1.



2.



21 OnSubmit

```
<html>
<head>
function alt()
{
 alert('form has been sumitted');
}
</script>
</head>
<body>
<form method="Post" onSubmit="alt()">
Enter name:<input type="text" name="text1">
<br>
Enter sirname:<input type="text" sirname="text2">
<br>
full name : <input type="text" onSelect="alert
('test selected')"><br>
<input type="sumit" name="save" value="save">
</form>
</body>
</html>
```

output

1. Enter name [Pritam]
Enter sirname [makavana]
full name [Makwana Pritam]
[save] ← click

2. This page says
form has been sumitted
[ok]

22 Form use more evets

```
<html>
<head>
<script type="text/javascript">
function display()
{
 var name=document.getElementById("txt1").
        value.toUpperCase();
 var sirname=document.getElementById("txt2").value.
        toUpperCase();
 var fullname=name+" "+sirname;
 document.getElementById("txt3").value=fullnam
        e;
}
function dalldata()
{
 var name=document.getElementById("txt1").value
        .toUpperCase();
 var sirname=document.getElementById("txt2").
        value.toUpperCase();
 var fullname=document.getElementById("txt3").
        value;
 var addr=document.getElementById("address")
        .value;
 var mob=document.getElementById("Mobile")
        .value;

 document.getElementBYId("p1").innerHTML=name+
  " "+sirname+" "+fullname+"<br>"+addr+"<br>"+
  mob;
}
```

```
</script>
</head>
<body>
<center><h3>Registration form</h3></center>
<label> Enter Your Name </label>
<input type="text" id="txt1"><br>
<label> Enter Your sirname </label>
<input type="text" id="txt2" onBlur="display()">
<br>
<label> Your Name </label>
<input type="text" id="txt3" readonly><br>
<label> Gender </label>
<input type="radio" name="gen" value="Male">Male
<input type="radio" name="gen" value="female">female
<label> Mobile </label>
<input type="number" placeholder="Phone number"
id="mobile" size="10" onClick="alert("you
should enter 10 digits")><br>
<label>Address</label>
<textarea cols="5" rows="6" id=
"address">Address</textarea><br>
<input type="submit" name="sub" value=
"Save" onclick="alldata()"><br>
<p id="p1"></p>
</body>
</html>
```

Output

Registration form

Enter Your Name
Enter Your sirname
Yourname
Gender ○Male ○female
Mobile Phone number
Address
Address

Save

Registration form

Enter Your Name PRIJAM
Enter Your sirname MAKWANA
Your name PRIJAM MAKWANA
Gender ◉male ○female
Mobile 9712345678
Hanuman
Para-5
Address

Save

PRIJAM MAKWANA PRIJAM MAKWANA Male 9712345678 HanumanPara-5

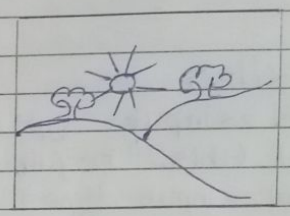
Mobile પર આવતા alert box ખુલે છે 10 અંકમાં ડિજીટ દાખલ કરો અને alert submit આપતા સક્રિય થયા પછી alert ખુલે છે.

23 Picture is Mouse-out-move Picture chage

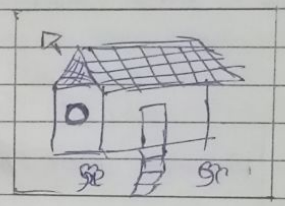
```
<html>
<head>
<script type="text/Javascript">
function over (e)
{
 var image = document.getElementById ("img1");
  image.src ="A.JPG";
  e.style.height ="300px";
  e.style.width="300px";
}
 function out (e)
{
 var image=document.getElementById("img1");
  image.src="1356014.jpg";
   e.style.height ="300px";
     e.style.width="300px";
 }
</script>
</head>
<body>
<img src="1356014.JPG" height="300" width="300"
 onMouse ="over(this)" onMouseOut="out(this)"
 id="img1" >
</body>
</html>
```

OutPut

1.



2.



Validation

(1) Validation demo

```
<html>
<head>
<script type="text/Javascript">
function check (text)
{
  if (txt.value==" ")
  {
   alert("please enter proper value");
      txt.focus();
  }
}
```

```
</script>
</head>
<body>
<h3>Validation programe</h3>
<label> Enter name:</label><input type="text"
id="name" onBlur="check (this)" required><br>
<label>Enter sirname:</label><input type="text"
~~<label>~~ id="sirname" onBlur="check(this)" required>
<br>
<input type="submit" name="save" value="display">
</body>
</html>
```

OutPut

```
Validation Programe
Enter name:
Enter sirname:
submit
```

```
please enter proper valac
ok
```

→ This Program is a name is space and second in enter are and open a alert box.

2 trick - 1 name valid

```
<html>
<head>
<script type="text/javascript">
function alpha()
{
  var regexp = /^[a-zA-Z]+$/;
  if (document.getElmentBy ("name").value.match
    (regexp))
  {
    return true;
  }
```

^-caret

syntax:-

/^[condition]+$/: = Regular

one+

```
else {
  alert ("only characters are allow");
  document.getElementById ("name").value = " ";
  document.getElementById("name").focus();
  return false;
} }
</script>
</head>
<body>
<form>
Enter name:<input type="text" id="name" onkeyup
="validate (this)" onkeyPress="return alp(event)"
on change="alpha()"><br>
Enter number:<input type="text" id="number">
<br>
<input type="submit" "submit" name="save"
value="save">
</body>
</html>
```

OutPut

```
Enter name: 2234
Enter number:
Save
```

1.

```
only charater allow
ok
```

2.

```
Enter name:
Enter number:
Save
```

Ascll = " " = 32

* કે-બોર્ડ વાપરત કે તેની કરવા વપરાય થાય

(3) trick-2 namevalid

```
<html>
<head>
<script type="text/javascript">
function alp(e)
{
  var keycode=(e.which)?e.which:e.keycode;

  if((keycode==32)||(keycode>64 && keycode<92)||
  (keycode>96 && keycode<123))
  {
    return true;
  }
  else
  {
    alert("only characters are allow");
    return false;
  }
</script></html></head>
<body><form>
Enter Name:<input type="text" id="name"
        onkeyPress="return alp(event)">
Enter Number:<input type="text" id="number">
<br>
<input type="submit" "submit" name="save" value="save"
>
</form>
</body>
</html>
```

output→ Enter name: [ ]
Enter a number: [ ]
[Save]

only characte allow
[ok]

→ Enter name ને 2 Enter ઉપર show alret box

* (અનકરેક્ટર) માં use કરી " " મુકાય છે.

(4) trick-3 name valid

```
<html>
<head>
<script type="text/javascript">
function validate(text){
  text.value = text.value.replace(/[^a-zA-Z-\n
  +/g,' ');
}
</script>
</head>
<body>
<form>
Enter name:<input type="text" id="name"
onkeyUp="validate(this)">
Enter Number:<input type="text" id="number">
<br>
<input type="sumit" name="save" value="save">
</form>
</body>
</html>
```

output
Enter name: [ ]
Enter Number: [ ]
[Sumit]

→ text box in input not a a-z and show space (" ").

19 - Doublescrch
11 - Pattemeah

Numeric

~~Newmeric~~ Validation

5 trick-1 numeric

```
function validate(mob){
    mob.value= mob.value.replace(/[^0-9_\n|r]*/g,
    '');
}
</script>
</head>
<body>
<input type="text" placeholder="Numbers" id=
    "numb" required onkeyUp="validate(this)">
</body>
</html>
```

output

-> This box is No input A-Z and a-z and symbol.... but only number

6 trick-2 numric

```
<html>
<head>
<script type="text/javascript">
function numeric(e){
 var keycode = e.which ? (e.which): e.keycode;
    //alert(e.which)
 if (keycode != 46 && keycode >37 && (keycode
    <48 || keycode >57)){
```

```
alert ("only Numbers");
    return false;
}
return true;
}
</script>
</head>
<body>
<input type="text" placeholder="Numbers"
    id="numb" required onkeyPress="return numeric
    (event)">
</body>
</html>
```

output

c.True :- 1234

c.false :- P

only Numbers
ok

7 Password trick-1

```
<html>
<head>
<script type="text/javascript">
function validpass()
{
    var Pass, con_Pass;
 Pass = document.getElementById("Password").value
 con_Pass= document.getElementById("confirm_Pass
 word").value;
```

```
if (Pass! = con_Pass)
{
  alert ("Password not match");
document.getElementById ("Password").value = "";
document.getElementById ("confirm_Password").value
                                    = "";
document. getElementById("Password"). focus();
    return ~~fa~~ false;
  }
  return true;
}
</script>
</head>
<body>
<form>
    <input type= "text" Placehalder ="Password"
    id = "Password" required >
    <input type="text" Placeholder="Confirm
    Password" id = "~~com~~ confirm_Password"
    required ~~onkey~~ onBlur ="validpass()" >
  <span id = "confirmMessage" class="confirm
    Message"> ~~</span>~~ </span>
    <input type="~~submit~~ submit" name="save"
    value ="save">
</form>
</body>
</html>
```

OUTPUT

True:- | Pritam | Pritam | save |

~~c. false~~

C. false | I | | Password not match :- | OK |

8 Validation Password-trick-2

```
<html>
<head>
<script type="text/javascript">

function checkPass()
{
    var Pass1 = document.getElementById ("Pass
                word");
    var Pass2 = document.getElementById ("~~Pass~~
                confirm_Password");

    var message= document.getElementById ("confirmM
                essage");

    var goodColor = "~~#6c6~~";
    var badcolor = "ff6666";


if (Pass1.value == Pass2.value)
{
    message.style.color = goodcolor;
    message.innerHTML = "Passwords Match";
```

```
else
{
  message.style.color=badcolor;
  message.innerHTML="Passwords Do Not Match!";
}
</script>
</head>
<body>
<form>
    <input type="text" placeholder="Password"
      id="Password" required>
    <input type="text" placeholder="confirm
      Password" id="confirm__Password"
      required  onkeyup="checkPass();"
      onBlur="validpass()">
    <span id="confirmMessage" class="
      confirmMessage"></span>
    <input type="submit" name="save" value=
      "save">
</form>
</body>
</html>
```

OutPut

ssword.	Pritam	Pritam	Passwords Match
atch	save		
t match	Pritam	12345	Passwords Do Not
	match save		

9 - ঐটা কোথা থেকে এসেছে.
\ - compri use
$ - string compared সবার

Validation in Email :-

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```
<html>
<head>
<script type="text/javascript">
function mailchk()
{

    var emailID=document.getElemenById("mail").
        value;
  var regexp=/^[0-9a-z A-Z]+ (.|_) [0-9 a-z
  A-Z]*\@ (yahoo|gmail|colin|rediff)\.(com|in)$/;

  if (emailID.match (regexp))
   {
    return true;
   }
  else { alert("Please enter correct email ID");
      document.getElementById("Mail").value = "";
      document.getElementById("Mail").focus();
      return false; }
</script>
</head>
<body>
<form>
<input type="text" id="mail" onchange="mailchk()
  " required>
<input type="submit" name="save" value="save">
</form>
</body>
</html>
```

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Output

false :- condition

abc123@gmail_com | save

Please enter correct email ID

OK

True :- condition

abc123@gmail.com | save