

Display output

1. Using window.alert()


```
<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
</head>
<body>
```

```
<script>
```

```
    window.alert(1+1);
```

```
</script>
```

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

window.alert()

2. Using document.write()

```
<script>
```

```
    document.write(1+1);
```

```
</script>
```

```
<script>
```

```
    <button onclick="document.write(5 + 6)">Try it</button>
```

```
</script>
```

1.document.write()2.document.write()

3. Using innerHTML

```
<p id="demo"></p>
```

```
<script>
```

```
document.getElementById("demo").innerHTML = 5 + 6;
```

```
</script>
```

innerHTML

4. Using console (F12 at browser firefox)

```
<script>
```

```
    console.log(5 + 6);
```

```
</script>
```

console

Accessing Javascript from another page

```

<!DOCTYPE html>
<html lang= "en">
<head><title>HOME</title>
<meta charset="UTF-8">
<script src = "wokki.js"></script>
</head>
<body>
A : <input type = "text" id = "a"><br/>
B : <input type = "text" id = "b">
<button type="button" onclick = "process()">Process</button>
<p id = "result"></p>
</body>
</html>

```

```

var process = function()
{
    var a = document.getElementById("a").value;
    var b = document.getElementById("b").value;
    if (confirm("You want to count number ?"))
    {
        var c = Number(a) + Number(b); // +a + +b // ((+a) + (+b));
        document.getElementById("result").innerHTML = c;
    }
}

```

index.html

wokki.js

Dialog box

```

A : <input type = "text" id = "a"><br/>
B : <input type = "text" id = "b">
<button type="button" onclick = "process()">Process</button>
<p id = "result"></p>

```

```

<script>
var process = function()
{
    var a = document.getElementById("a").value;
    var b = document.getElementById("b").value;
    if (confirm("You want to count number ?"))
    {
        var c = Number(a) + Number(b); // +a + +b // ((+a) + (+b));
        document.getElementById("result").innerHTML = c;
    }
}
</script>

```

You want to count number ?

Cancel OK

A : 90
B : 2
92

Process

Input Box

<script>

var a = prompt("Please, enter your name");

document.write("Length of character include space: ", a.length);

document.write("
");

document.write("5 first character : " , a.substring(0,5));

document.write("
");

document.write("Get 3 character start from second character : ", a.substring(1,4));

</script>

Please, enter your name

Cancel OK

Length of character include space: 9
 5 first character :spide
 Get 3 character start from second character : pid

Function (without return value)

<script>

```
var dividedByTree = function(number)
{
    var myNumber=number/3;
    document.write(myNumber);
}
```

Function name : **dividedByTree**Parameter : **number****dividedByTree(6);**

Call function with new parameter : 6

</script>

Function (return value number & string)

<script>

var dividedByTree = function(number, string)

{

return number/3 + " " + "Your name is " + " " + string;

}

var myNumber = dividedByTree(6, "wokki");

document.write(myNumber);

</script>

Calling another function from function 1

Number : <input type = "text" id = "a"> / <input type = "text" id = "b">

 <button type="button" onclick = "processDivide()">Process</button>
 <p id = "result"></p>

DOM

<script>

```
var process = function(numberA, numberB)
{
    return numberA / numberB;
}
```

Function **process**
parameter **numberA, numberB**

```
var processDivide = function()
{
```

Function **processDivide**
Without parameter

```
    var A = document.getElementById("a").value;
    var B = document.getElementById("b").value;
```

```
    var resultDivide = process(A,B);
    document.getElementById("result").innerHTML = resultDivide;
}
```

Call function : **process**
New parameter **A,B**

</script>

Number : /

 2

Calling another function from function 2

<script>

```
var key = function(h)
{
    var d,s;
    d = 0;
    for(s=1; s<=h; s++)
    {
        d = d + s;
    }
    return d;
}
```

```
var key2 = function(h)
{
```

```
    var d,s;
    d = 0;
    for(s=1; s<=h; s++)
    {
```

```
        d = d + key(s);
        document.write(d);
        document.write("<br>");
    }
```

}

```
key2(3);
</script>
```

```
key
d=0
s=1 <= 3
d=d+s → 0+1=1
      → 1+2=3
      → 3+3=6

key2
d=0
s=1 <=3
d=d+s → 0+1=1
      → 1+3=4
      → 4+6=10
```

1
4
10

Looping : for, while, do..while

```
<script>
```

```
var y;
```

```
you = function()
```

```
{
```

```
  for (y=1; y<=3; y++)
```

```
  {
```

```
    document.write("coki -> " + y);
```

```
    document.write("<br>");
```

```
  }
```

```
}
```

```
you();
```

```
</script>
```

for

coki -> 1

coki -> 2

coki -> 3

```
<script>
```

```
var y;
```

```
y=1;
```

```
you = function()
```

```
{
```

```
  while(y<4)
```

```
  {
```

```
    document.write("coki -> " + y);
```

```
    document.write("<br>");
```

```
    y++;
```

```
  }
```

```
}
```

```
you();
```

```
</script>
```

while

coki -> 1

coki -> 2

coki -> 3

```
<script>
```

```
var y;
```

```
y=1;
```

```
you = function()
```

```
{
```

```
  do
```

```
  {
```

```
    document.write("coki -> " + y);
```

```
    document.write("<br>");
```

```
    y++;
```

```
  }
```

```
  while (y<4)
```

```
}
```

```
you();
```

```
</script>
```

do..while

coki -> 1

coki -> 2

coki -> 3

Condition : if . . else ; operator : && (and) , != (not equal), === (equal)

```
<script>
```

```
var number;
for (number=1; number<=20; number++)
{
    if ( number % 3 === 0 && number % 5 != 0)
        { document.write('html' + "<br>"); }
    else if ( number % 5 === 0 && number % 3 != 0)
        { document.write('css' + "<br>"); }
    else if ((number % 3 === 0) && (number % 5 === 0))
        { document.write('javascript' + "<br>"); }
    else
        { document.write(number + "<br>"); }
}
```

```
</script>
```

```
1
2
html
4
css
html
7
8
html
css
11
html
13
14
javascript
16
17
html
19
css
```

Combination while & for

```
<script>
```

```
var x,y;
x=0;
```

```
you = function()
```

```
{
```

```
    while(x<3)
```

```
    {
```

```
        for (y=1; y<=3; y++)
```

```
        {
```

```
            document.write("coki -> " + y);
            document.write("<br>");
```

```
        }
```

```
        document.write("yummi = " + x);
        document.write("<br>");
```

```
        x++;
```

```
    }
```

```
}
```

```
you();
```

```
</script>
```

Call function : you

```
coki -> 1
coki -> 2
coki -> 3
yummi = 0
coki -> 1
coki -> 2
coki -> 3
yummi = 1
coki -> 1
coki -> 2
coki -> 3
yummi = 2
```

Condition : switch .. case (1)

Type your fruit <input type = "text" id="myfruit"> apple, grape, banana

 <button type = "submit" onclick="chooseFruit()">click</button>
 <p id = "print"></p>

```
<script>
var chooseFruit = function()
{
  var fruit = document.getElementById("myfruit").value;
  var fruit = fruit.toUpperCase();
  switch(fruit)
  {
    case 'APPLE':
      document.getElementById("print").innerHTML = "You have choosen Apple";
      break; //stop
    case 'GRAPE':
      document.getElementById("print").innerHTML = "You have choosen Grape";
      break; //stop
    case 'BANANA':
      document.getElementById("print").innerHTML = "You have choosen Banana";
      break; //stop

    default:
      document.getElementById("print").innerHTML = "You have choosen another fruit = " + fruit ;
  }
}
</script>
```

Change all text to uppercase

Type your fruit apple, grape, banana

 You have choosen Apple

Condition : switch .. case (2)

<input type='text' id="ehem"> naruto, spongebob, rabbit
 <button type="button" onclick="gigi()">click</button>
 <p id="print"></p>

```
<script>
var getReview = function (movie)
{
  switch(movie)
  {
    case 'NARUTO': return ("I like naruto movie"); break;
    case 'SPONGEBOB': return ('Yeah, spongebob is funny movie'); break;
    case 'RABBIT': return ('Ha..ha..ha ..rabbit movie'); break;
    default : return ("I don't know");
  }
}

var gigi = function()
{
  var gugu = document.getElementById("ehem").value;
  var gugu = gugu.toUpperCase();
  var nana = getReview(gugu);
  document.getElementById("print").innerHTML = nana;
}
</script>
```

Combination switch .. case & if .. else ; operator : || (or)

```

<script>
var user = prompt("how old are you");
switch(true)
{
    case (user == 0 || user >=200):
        if (user == 0)
        { document.write("you are in the mother's
abdomen"); }
        else
        { document.write("Amazing are you GOD"); }
        break;
    case (user < 17):
        document.write("too young"); break;
    case (user == 17) :
        document.write("sweet seventieth"); break;
    case (user > 17 && user <= 50):
        document.write("mature"); break;
    default :
        document.write("very old");
}
</script>

```

how old are you

Condition : ternary operator

```

your age <input type = "text" id="age">
<button type="button" onclick="age()">Click</button>
<p id = "text">...</p>

```

```

<script>
var age = function()
{
    var danzo = document.getElementById("age").value;
    var hanzo = (danzo < 17) ? "below 17 years" : "17 years above";
    document.getElementById("text").innerHTML = hanzo;
}
</script>

```

Conditional (ternary) operator

age

below 17 years

Arrays

<script>var **wokki** = ["clever", "diligent", "expert"]; *// arrays***document.write(wokki);** *// access all arrays*

document.write("<p>");

document.write(wokki[0]); *// access specific arrays*

document.write("
");

document.write(wokki[1]);

document.write("
");

document.write(wokki[2]);

document.write("<p>");

for (var a=0; a<wokki.length; a++) *// access all arrays with add string, this is flexible array***{ document.write("I like wokki because " + wokki[a] + " "); }****</script>****clever,diligent,expert**

Result in browser

**clever
diligent
expert****I like wokki because clever; I like wokki because diligent; I like wokki because expert;**

Arrays methods (sort ascending, descending)

<script>var **urut** = [23, 45, 32, 56, 78, 3];document.write("first numbers : " + **urut** + "
");

first numbers : 23,45,32,56,78,3

/ sort ascending */***urut.sort(function(a, b)****{ return a-b });**document.write("numbers after sorting ascending : " + **urut** + "
");

numbers after sorting ascending : 3,23,32,45,56,78

/ sort descending */***urut.sort(function(a, b)****{ return b-a });**document.write("numbers after sorting descending : " + **urut**);

numbers after sorting descending : 78,56,45,32,23,3

</script>

Arrays methods (splice, sort, reverse)

<script>

```
var ado = ["Banana", "Mango", "Apple"];
document.write("I have 3 fruit first : " + ado + "<p>");
```

I have 3 fruit first : Banana,Mango,Apple

```
/* 2 = the position where element added,
0 = how many element will should be removed */
```

```
ado.splice(2, 0, "Papaya", "Grapes");
document.write("Add 2 fruit more : " + ado + "<p>");
```

Add 2 fruit more : Banana,Mango,Papaya,Grapes,Apple

```
var mak = ado.splice(1, 2);
document.write("deleting : " + mak + "<br>");
document.write("after deleting : " + ado + "<p>");
```

deleting : Mango,Papaya
after deleting : Banana,Grapes,Apple

```
/* sort and reverse only effective on abjad */
```

```
var sortDown = ado.sort();
document.write("sorting data A-Z : " + sortDown + "<br>");
var sortUp = ado.reverse();
document.write("sorting data Z-A : " + sortUp + "<br>");
```

sorting data A-Z : Apple,Banana,Grapes
sorting data Z-A: Grapes,Banana,Apple

</script>

Arrays property (length) & methods (toString, join, valueOf)

<script>

```
var ado = ["Banana", "Mango", "Apple"];
var ehem = ado.length; // count array result = 3
document.write("number of arrays = " + ehem + "<br>");
document.write("print arrays = " + ado[0] + " " + ado[1] + " " + ado[2] + "<br>");
```

number of arrays = 3
print arrays = Banana Mango Apple

```
// using loops in array
```

```
var urut = "<ul>";
var jeko;
for (jeko = 0; jeko < ado.length; jeko++)
{ urut += "<li>" + ado[jeko] + "</li>"; }
urut += "</ul>";
document.write(urut);
```

Banana
Mango
Apple

```
var kempes = ado.toString(); // convert array to string
document.write("array to string = " + kempes + "<br>");
```

array to string = Banana,Mango,Apple

array to string using join = Banana * Mango * Apple

```
var jenggot = ado.join(" * "); // convert array to string using join
document.write("array to string using join = " + jenggot + "<br>");
```

```
var konsi = ado; // automatic conversion arrays to string
document.write(konsi + "<br>");
```

Banana,Mango,Apple

```
var yoyo = ado.valueOf(); // arrays to string to
document.write(yoyo + "<p>");
```

Banana,Mango,Apple

</script>

Arrays methods (push, pop, shift, unshift)

<script>

```
var ado = ["Banana", "Mango", "Apple"];
```

number of arrays after add papaya = 4
after add last element = Banana,Mango,Apple,Papaya

```
ado.push("Papaya"); /* add new element at last in arrays */  
var waca = ado.length; /* count array again result=4 */  
document.write("number of arrays after add papaya = " + waca + "<br>");  
document.write("after add last element = " + ado + "<p>");
```

```
var kini = ado.pop(); /* delete last element in arrays */  
document.write("delete last element in array = " + kini + "<br>");  
document.write("after last element deleted = " + ado + "<p>");
```

delete last element in array = Papaya
after last element deleted = Banana,Mango,Apple

```
var monyo = ado.shift(); /* delete first element in arrays */  
document.write("delete first element in array = " + monyo + "<br>");  
document.write("after delete first element = " + ado + "<p>");
```

delete first element in array = Banana
after delete first element = Mango,Apple

```
var mongki = ado.unshift("grape"); /* add new element at first in arrays */  
document.write("add new element in first array = " + mongki + "<br>");  
document.write("after add new element = " + ado + "<p>");
```

add new element in first array = 3
after add new element = grape,Mango,Apple

```
ado[0] = "pumpkin";  
document.write("after changing first element = " + ado + "<br>");  
</script>
```

after changing first element = pumpkin,Mango,Apple

Arrays methods (max, min)

<script>

```
var urut = [23, 45, 32, 56, 78, 3];
```

sorting number ascending : 3,23,32,45,56,78
sorting number descending : 78,56,45,32,23,3

```
var minmax = urut.sort(function(a, b)  
{ return a-b });  
var min = minmax[0];  
document.write("sorting number ascending : " + minmax + "<br>");
```

max number : 78 & min number : 3

```
var maxmin = urut.sort(function(a, b)  
{ return b-a });  
var max = maxmin[0];  
document.write("sorting number descending : " + maxmin + "<p>");
```

```
document.write("max number : " + max + " & min number : " + min);  
</script>
```

Arrays method (join)

<script>

```
var story1 = ["naruto", "sakura", "sasuke"];  
var story2 = ["danzo", "sunade", "takashi"];  
var story3 = ["jiraiya"];  
var combine = story1.concat(story2, story3);  
document.write(combine);  
</script>
```

naruto,sakura,sasuke,danzo,sunade,takashi,jiraiya

Arrays method (slice)

```

<script>
var jenggo = ["jenggo1", "jenggo2", "jenggo3", "jenggo4"];

var cumi = jenggo.slice(1,2); // 1 = jenggo2 ; 2 = jenggo3 but not include
document.write(cumi + "<br>");

var ngikngok = jenggo.slice(1); // 1 = start from jenggo2 until end
document.write(ngikngok);
</script>

```

jenggo2
jenggo2,jenggo3,jenggo4

Add & Delete data arrays using DOM

```

Nama : <input type = "name" id = "name">
<button type = "button" onclick = "add()">Add</button>
<button type = "button" onclick = "del()">Delete</button>
<p id = "appear">data</p>

```

Nama :
1,2,amsi,suki

```

<script>
var database = []; // empty array

```

Empty arrays

```

var add = function()
{
    var jonny = document.getElementById("name").value;
    database.push(jonny);
    document.getElementById("appear").innerHTML = database;
}

```

Function add

```

var del = function()
{
    var jonny = document.getElementById("name").value;
    database.pop(jonny);
    document.getElementById("appear").innerHTML = database;
}
</script>

```

Function del

String methods : toUpperCase, toLowerCase

```
<input type="text" id="getText">
<button type="button" onclick="myText()">Print </button>
<p id="print"></p>
```

spider

SPIDER

```
<script>
var myText = function()
{
    var text = document.getElementById("getText").value;
    var textUpper = text.toUpperCase();
    document.getElementById("print").innerHTML = textUpper;
}
</script>
```

```
<input type="text" id="getText">
<button type="button" onclick="myText()">Print </button>
<p id="print"></p>
```

APPLE

apple

```
<script>
var myText = function()
{
    var text = document.getElementById("getText").value;
    var textLower = text.toLowerCase();
    document.getElementById("print").innerHTML = textLower;
}
</script>
```

String method : concat

```
a : <input type="text" id="a1"><br/>
b : <input type="text" id="a2">
<button type="button" onclick="myText()">Print </button>
<p id="print"></p>
```

a : red

b : apple

red apple

```
<script>
var myText = function()
{
    var a1 = document.getElementById("a1").value;
    var a2 = document.getElementById("a2").value;
    var a3 = a1.concat(" ", a2);
    document.getElementById("print").innerHTML = a3;
}
</script>
```

Result same
var a3 = a1 + " " + a2;

String methods : indexOf(), lastIndexOf()

```
<script>
var str = "makan kue coklat kue";
var mas = str.indexOf("kue"); //start 0, k=6
var mas2 = str.lastIndexOf("kue"); // k=17
document.write(mas + "<br>" + mas2);
</script>
```

6
17

String methods : slice, substring, substr, replace

<script>

var str = "Apple, Banana, Grape";

var pos = str.slice(7,13);

document.write(pos);

</script>

var pos = str.slice(-13,-7);

Banana

<script>

var str = "Apple, Banana, Grape";

var pos = str.substring(7,13);

document.write(pos);

</script>

Similar to slice but cannot accept negative number

Banana

<script>

var str = "Apple, Banana, Grape";

var pos = str.substr(7,6);

document.write(pos);

</script>

Banana

<script>

var str = "Apple, Banana, Grape";

var pos = str.replace("Banana", "Lemon");

document.write(str);

document.write("
");

document.write(pos);

</script>

Apple, Banana, Grape
Apple, Lemon, Grape

String method : charAt

<script>

var str = "computer";

var mas = str.charAt(0);

var mas2 = str.charAt(1);

var mas3 = str.charAt(7);

document.write(mas + "
");

document.write(mas2 + "
");

document.write(mas3);

</script>

c
o
r

String method : charCodeAt

<script>

var str = "abcde";

var mas = str.charCodeAt(0); // change text to ascii character

var mas2 = str.charCodeAt(1);

var mas3 = str.charCodeAt(2);

var mas4 = str.charCodeAt(3);

var mas5 = str.charCodeAt(4);

document.write(mas + "
" + mas2 + "
" + mas3 + "
" + mas4 + "
" + mas5);

</script>

97
98
99
100
101

String method : search()

```
<script>
var str = "makan kue coklat kue";
var str2 = "cokl";
if (str.search(str2) == -1)
{    document.write("Not Found");    }
else
{    document.write("Found");    }
</script>
```

Found

String method : split()

```
<script>
var str = "makan kue coklat kue";
var mas = str.split(" ", 2); // split into array
document.write(str + "<br>" + mas);
</script>
```

makan kue coklat kue
makan,kue

String methods : length, toString()

```
<script>
var str = "makan kue coklat kue";
var num = 123456;

var mas = str.length;
var mas2 = num.toString(); // convert number to string
var mas3 = mas2.length; // length of character

document.write(mas + "<br>");
document.write(mas3);
</script>
```

20
6

Number method : parseInt

```
<script>
var num = "12"; // string
var num2 = "23"; // string
var mas = parseInt(num); // convert string to number
var mas2 = parseInt(num2); // convert string to number
document.write(num + "+" + num2 + "=" + (mas+mas2));
</script>
```

Number method : toExponential

```
<script>
var num = 23.34563212323;
var mas = num.toExponential(6)*1; // 5 digit behind dot
var mas2 = num.toExponential(6);
var mas3 = num.toExponential();
document.write(mas + "<br>");
document.write(mas2 + "<br>");
document.write(mas3);
</script>
```

```
23.34563
2.334563e+1
2.334563212323e+1
```

Number method : toFixed

```
<script>
var num = 23.34563;
var mas = num.toFixed();
var mas2 = num.toFixed(3);
var mas3 = num.toFixed(9);
document.write(mas + "<br>");
document.write(mas2 + "<br>");
document.write(mas3);
</script>
```

```
23
23.346
23.345630000
```

Number method : toPrecision

```
<script>
var num = 23.34563;
var mas = num.toPrecision();
var mas2 = num.toPrecision(2);
var mas3 = num.toPrecision(4);
var mas4 = num.toPrecision(9);
document.write(mas + "<br>");
document.write(mas2 + "<br>");
document.write(mas3 + "<br>");
document.write(mas4);
</script>
```

```
23.34563
23
23.35
23.3456300
```


Number method : valueOf

```
<script>
var num = 23.34563;
var mas = num.valueOf();
var mas2 = num.valueOf(2);
var mas3 = num.valueOf(4);
var mas4 = num.valueOf(9);
document.write(mas + "<br>" + mas2 + "<br>" + mas3 + "<br>" + mas4);
</script>
```

```
23.34563
23.34563
23.34563
23.34563
```

Number method : toString

```
<script>
var num = 23.34563;
var mas = num.toString();
var mas2 = num.toString(2);
var mas3 = num.toString(4);
var mas4 = num.toString(9);
document.write(mas + "<br>" + mas2 + "<br>" + mas3 + "<br>" + mas4);
</script>
```

```
23.34563
10111.010110000111101100110101001010101000010000111
113.11201323031102222010032
25.3088608515458315
```

Number methods : random, min, max, round, ceil, floor

```
<script>
var c = Math.random();
document.write(c);
document.write("<p>");
</script>
```

Hit f5 to see the changes
Random number from 0 - 1

```
<script>
var d = Math.min(1, 2, 3, 4, 5, 6);
var e = Math.max(1, 2, 3, 4, 5, 6);
document.write("min = " + d + " and max = " + e + "<p>");
</script>
```

min = 1 and max = 6

```
<script>
var xx = Math.round(3.8);
var tt = Math.round(3.6);
var kk = Math.round(3.5);
var yy = Math.round(3.4);
var zz = Math.round(3.2);
document.write(xx + "<br>" + tt + "<br>" + kk + "<br>" + yy + "<br>" + zz);
</script>
```

Rounded to the nearest number

```
4
4
4
3
3
```

```
<script>
var ce = Math.ceil(3.2);
var fo = Math.floor(3.6);
document.write("ceil " + ce + " and floor " + fo + "<p>");
</script>
```

Ceil rounded up
Floor rounded down

ceil 4 and floor 3

```
<script>
var fr = Math.floor(Math.random()*11);
document.write(fr);
</script>
```

Hit f5 to see the changes
Random number from 0 - 10

Date method

<script>

```
var dt = new Date();
document.write(dt);
```

</script>

Tue Nov 24 2015 20:31:30 GMT+0800 (WITA)

<script>

```
var dt = new Date();
var yu = dt.getDay();
document.write(yu);
```

</script>

Monday = 1
Tuesday = 2
Wednesday = 3
Thursday = 4
Friday = 5
Saturday = 6
Sunday = 7

2

Tuesday

<script>

```
var dt = new Date();
var yz = ["sunday", "monday", "tuesday", "wednesday", "thursday", "friday", "saturday"];
var er = yz[dt.getDay()];
document.write(er);
```

</script>**<script>**

```
var dt = new Date();
var da = dt.getDate();
document.write(da);
```

</script>

getDate()
Date on pc

24

<script>

```
var dt = new Date();
var mo = ["jan", "feb", "mar", "apr", "mei", "jun", "jul", "ags", "sep", "okt", "nov", "des"];
var mon = mo[dt.getMonth()];
document.write(mon);
```

</script>

getMonth()
Month on pc

nov

<script>

```
var dt = new Date();
var th = dt.getFullYear();
document.write(th);
```

</script>

getFullYear()
Year on pc

2015

Date method complete

<script>

```
var dt = new Date();
```

```
var yz = ["sunday", "monday", "tuesday", "wednesday", "thursday", "friday", "saturday"];
var yzx = yz[dt.getDay()];
```

```
var da = dt.getDate();
```

```
var mo = ["jan", "feb", "mar", "apr", "mei", "jun", "jul", "ags", "sep", "okt", "nov", "des"];
var mon = mo[dt.getMonth()];
```

```
var th = dt.getFullYear();
```

```
document.write(yzx + "-" + da + "-" + mon + "-" + th);
```

</script>

tuesday-24-nov-2015

Insert image

index.html

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title></head>
<meta charset="UTF-8">
<body>
<div id="simage1"></div>
<div id="simage2"></div>
<div id="simage3"></div>
<script src = "script.js"></script>
<script>
    var m = document.getElementById("simage1");
    var n = document.getElementById("simage2");
    var o = document.getElementById("simage3");
    insert("browser.png","relative","300px","200px",m);
    insert("torso.png","relative","100px","400px",n);
    insert("head.png","relative","200px","10px",o);
</script>
</body>
</html>

```

Insert more than
one image

script.js

```

var insert = function(imgName, imgPos, imgLeft, imgTop, imgDiv)
{
    var img = new Image();
    img.src = imgName;
    imgDiv.style.position=imgPos;
    imgDiv.style.left=imgLeft;
    imgDiv.style.top=imgTop;
    img.onload = function()
    {
        imgDiv.appendChild(img);
    }
}

```

Change CSS style

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
  <style type = "text/css">
    p {
      margin : 20px 0px 0px 20px;
      padding : 5px 0px 0px 0px;
      text-align : center;
      width : 200px;
      height : 25px;
      color : black;
      font : 15px arial;
      text-shadow : 1px 1px 1px grey;
      letter-spacing : 2px;
      font-weight : bold;
    }
  </style>
</head>
<body>
  <p id="text" onmouseover="applyOver()" onmouseout="applyOut()">Apply</p>
  <script>
    var applyOver = function()
    {
      var take = document.getElementById("text");
      take.style.border = "3px solid #3300CC";
      take.style.color = "DarkBlue";
      take.style.borderRadius = "10px";
      take.style.boxShadow = "1px 1px 5px 2px #d5d5e0";
      take.style.backgroundColor = "LightCyan";
      take.style.transitionDuration = "1s";
      take.innerHTML = "Click to Apply";
      take.style.cursor = "pointer";
    }

    var applyOut = function()
    {
      var take = document.getElementById("text");
      take.style.border = "0px";
      take.style.color = "black";
      take.style.borderRadius = "0px";
      take.style.boxShadow = "0px 0px 0px transparent";
      take.style.backgroundColor = "transparent";
      take.innerHTML = "Apply ";
    }
  </script>
</body>
</html>

```

Apply

Click to Apply

Apply

Animation 1 (Progress Bar)

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
<style type="text/css">

```

```

#path {
position:relative;
overflow:hidden;
width:500px;
height:30px;
border:3px solid #000;
box-sizing : border-box;
}

```

```

#block {
position:absolute;
background:blue;
width:30px;
height:30px;
padding-top:5px;
}
</style>
</head>

```

```

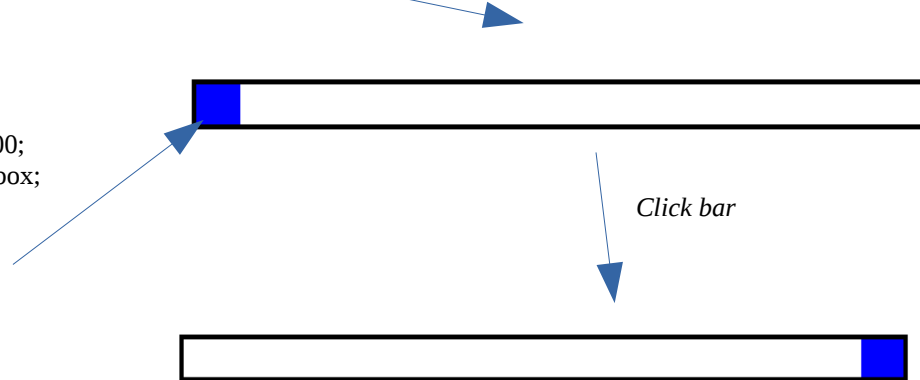
<body>
<div onclick="move()" id="path">
  <div id="block"></div>
</div>

```

```

<script>
function move()
{
  var left = 0 ;
  function frame()
  {
    var abu = document.getElementById("block");
    left ++;
    abu.style.left = left; // show frame
    if (left == 465) // check finish condition → see width path
      clearInterval(id);
  }
  var id = setInterval(frame, 5); // draw every 5ms → 50 frames / second
}
</script>
</body>
</html>

```



Animation 2 (Progress Bar)

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
<style type="text/css">
#path {
position:relative;
overflow:hidden;
width:500px;
height:30px;
border:3px solid #000;
box-sizing : border-box;
}

```



```

#block {
position:absolute;
background:yellow;
width:30px;
height:30px;
padding-top:5px;
}
</style>
</head>

```

```

<body>
<div onclick="move()" id="path">
  <div id="block"></div>
</div>

```

```

<script>
function move()
{
  var width = 30 ;
  function frame()
  {
    var abu = document.getElementById("block");
    width ++;
    abu.style.width = width;
    if (width == 100)
    {
      abu.style.backgroundColor = "lime";
    }
    if (width == 250)
    {
      abu.style.backgroundColor = "orange";
    }
    if (width == 400)
    {
      abu.style.backgroundColor = "red";
    }
    if (width == 494) // check finish condition → see width path
      clearInterval(id);
  }
  var id = setInterval(frame, 10); // draw every 10ms → 100 frames / second
}
</script>
</body>
</html>

```

Animation 1 (Image)

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
</head>

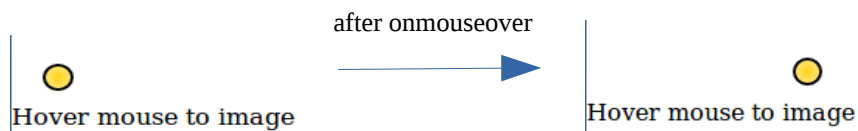
<body>
<form>
  
  <p>Hover mouse to image</p>
</form>

<script>
  var ball = null;
  function init()
  {
    ball = document.getElementById('myImage');
    ball.style.position='relative';
    ball.style.left='0px';
  }

  function moveRight()
  {
    ball.style.left = parseInt(ball.style.left)+20+'px';
  }

  window.onload=init;
</script>
</body>
</html>

```



Animation 2 (Image)

```

<!DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
<meta charset="UTF-8">
</head>

<body>
<form>
  
  <p>Hover mouse to image</p>
  <p onclick="stop();" style="cursor:pointer;">click to stop</p>
</form>

<script>
  var ball = null;
  var animate;
  function init()
  {
    ball = document.getElementById('myImage');
    ball.style.position='relative';
    ball.style.left='0px';
  }

  function moveRight()
  {
    ball.style.left = parseInt(ball.style.left)+20+'px';
    animate = setTimeout(moveRight,20); //call moveRight in 20msec
  }

  function stop()
  {
    clearTimeout(animate);
  }

  window.onload=init;
</script>
</body>
</html>

```

