

# JS101

## Javascript

```
/**
 * @name
 * @email cybaek@netsgo.com
 * @homepage http://cybaek.com/
 */
```



가

## Javascript

HTML 가 2% . ,  
<form>  
가,  
HTML 가 ,  
Javascript .  
Visual Basic Script Edition ( , VBScript) , Javascript가  
( ) 가  
, 가 Netscape Communicator  
Javascript 가 .  
, Internet Explorer가 VBScript  
VBScript 가  
Javascript Javascript .



HTML

<form>

Javascript

( , Editplus, Ultraedit )  
(Drag & Drop)

basic.1.html

```
<html>
<head>

<script language="javascript">
// 가
</script>

</head>
<body>

</body>
</html>
```

basic.2.html

```
<html>
<head>
```

```

<script language="javascript">
var a, b, c;

a = 3;
b = 6;
c = a + b;
alert(c);
alert(a-b);
alert(a*b);
alert(b/a);
</script>

</head>
<body>

</body>
</html>

```

## var

JavaScript

var

var a, b, c

a, b, c

+, -, \*, /

가

## alert()

alert(c)

c 3+6

9가

9

if, for, while, switch

```

<html>
<head>

<script language="javascript">
var a, b, c;

a = 3;
b = 6;
c = a + b;

if (c>5){
    alert('5 .');
}
else if (c<5){
    alert('5 .');
}

```

```

}
else{
    alert('      5      .');
}

var i, total;
for(i=0, total=0; i<10; i=i+1){
    total = total + i;
}
alert('for : 0      9      ' + total + '      .');

i=0;
total=0;
while(i<10){
    total = total + i;
    i++;
}
alert('while : 0      9      ' + total + '      .');

i = 2;
switch(i){
    case 0:
        alert(0);
    case 1:
        alert(1);
    case 2:
        alert(2);
    default:
        alert('      ');
}
</script>

</head>
<body>

</body>
</html>

```

## if

if                  if, else if, else                  가                  .

alert                  가

.

```

if (c>5){
    alert('5      .');
}

```

가                  ?  
가                  .

```

if (c>5){
    alert('      \'5\'      .');
}

```

## for

for (i=0; i<10; i=i+1) {

```
for(i=0, total=0; i<10; i=i+1){
    total = total + i;
}
```

for (i=0; i<10; i=i+1) {

for (i=0; i<10; i=i+1) {

for (i=0; i<10; i=i+1) {

```
alert('for : 0 9 ' + total + ' .');
```

alert('for : 0 9 ' + total + ' .');

## while

while (i<10) {

## switch

switch (i) {

if (i==0) {

case 0: alert(0); break;
case 1: alert(1); break;
case 2: alert(2); break;
default: alert(' ');

```
switch(i){
    case 0:
        alert(0);
        break;
    case 1:
        alert(1);
        break;
    case 2:
        alert(2);
        break;
    default:
        alert(' ');
}
```

가

```
<html>
<head>

<script language="javascript">
var a, b, c, min;
a = 12;
b = 23;
c = 56;

min = a;
if (b<min){
    min = b;
}
if (c<min){
    min = c;
}
alert(min + ' (가)          .');

a = 56;
b = 23;
c = 123;

min = a;
if (b<min){
    min = b;
}
if (c<min){
    min = c;
}
alert(min + ' (가)          .');

</script>

</head>
<body>

</body>
</html>
```

```
<html>
<head>

<script language="javascript">
var a, b, c, min;
a = 12;
b = 23;
```

```

c = 56;
min = getMin(a, b, c);
alert(min + ' (가)');

min = getMin(56, 23, 123);
alert(min + ' (가)');

function getMin(x, y, z){
    var min;
    min = x;
    if (y<min){
        min = y;
    }
    if (z<min){
        min = z;
    }

    return min;
}

</script>

</head>
<body>

</body>
</html>

```

### function

가 (x, y, z) , getMin(1, 2, 3) , x, y, z 1, 2, 3 .

### return

, a = getMiin(1,2,3) return 1 return a = 1 .

가 return return 가 .

### getMin(a, b, c)

getMin(a, b, c) , getMin(56, 23, 123) .

Javascript HTML name, id, class , Javascript



## onClick

---

event.1.html

```
<html>
<head>

<script language="javascript">
function func1(){
    alert('                ');
}
</script>

</head>
<body>
<a href="http://www.microsoft.com/" onClick="func1(); return false;">    </a>

</body>
</html>
```

onClick  
가

Javascript

## return false;

---

	return false;	<a>
href		
onClick	false,	
	,	http://www.microsoft.com/
	.	

## onLoad

---

event.2.html

```
<html>
<head>

<script language="javascript">
function func1(){
    alert('                !');
}
</script>

</head>
<body onLoad="func1();">

</body>
</html>
```

HTML

, ,  
<body>

### onMouseOut, onMouseOver

```
<html>
<head>

<script language="javascript">
function func1(){
    alert('      가      .');
}

function func2(){
    alert('      가      .');
}
</script>

</head>
<body>
<h1 onMouseOver="func1();" onMouseOut="func2();" > </h1>
.

</body>
</html>
```

<h1> 가 fun1() ,  
func2()가 . CSS

onSubmit, onKeyPress 가

\_\_\_\_\_

Hello, World <a> name,  
href, target .

```
<html>
<head>

<script language="javascript">
function func1(obj){
    alert("name: " + obj.name);
    alert("href: " + obj.href);
    alert("target: " + obj.target);
    alert("name: " + document.links[0].name);
}
</script>
```

```

</head>
<body>
<a href="a.html" name="a_doc" target="main"
    onClick="func1(this); return false;"><b>Hello, world.</b></a>
<a href="b.html"
    onClick="func1(this); return false;"><b>Hello, world.2</b></a>
</body>
</html>

```

onClick	func1()	func1(this)	.
Javascript	가	가	this
.	Java, C#, C++		
func1	this	func1	
		func1(obj)	.
obj			.
Hello, world		, Hello, world.2	href
.		.	
func1	가	.	

```

alert("name: " + document.links[0].name);

```

this.name	가	,	this	가	(	)
.	<a>		link	.	links[0]	
links[0]			가			.

Thanks this for this.

### innerHTML, innerText, outerHTML, outerText

```

<html>
<head>

<script language="javascript">
function func1(obj){
    alert("innerHTML " + obj.innerHTML);
    alert("innerText " + obj.innerText);
    alert("outerHTML " + obj.outerHTML);
    alert("outerText " + obj.outerText);
}
</script>

</head>
<body>
<a href="a.html" name="a_doc" target="main"
    onClick="func1(this); return false;"><b>Hello, world.</b></a>

</body>
</html>

```

innerXXX

outerXXX

XXXHTML

, XXXText

<>

**name id**

( )

name id

, id 가 가 . <form>

name

<form> name

id

name\_id.html

```
<span id=id1 value="test">name1_id1</span>
<span id=id2 value=" " >name1_id2_1</span>
<span id=id2>name1_id2_2<span id=id21 value=" " >Hello</span></span>
<form id=form1>
  <input type=text name=name2 value="name2 1">
  <input type=text name=name2 value="name2 2">
  <input type=text id=id4 value="id4">
  <input type=text id=id5 value="id5 1">
  <input type=text id=id5 value="id5 2">
</form>
<table id=table1 value="TABLE">
<tr id=tr1 value="TR">
  <td id=td1 value="TD"><span id=id6 value=" " span"></span></td>
</tr>
</table>

<script>

alert('id1: ' + id1.value);
alert('id2_1: ' + id2[0].value);
alert('id21: ' + id21.value);

alert('id4: ' + form1.id4.value);

alert('table1: ' + table1.value);
alert('tr1: ' + tr1.value);
alert('td1: ' + td1.value);
alert('id6: ' + id6.value);
</script>
```

<form>

<form>

alert('id4: ' + form1.id4.value);

document  
getElementById, getElementsByName, getElementsByTagName  
.  
[http://msdn.microsoft.com/workshop/author/dhtml/reference/objects/obj\\_document.asp](http://msdn.microsoft.com/workshop/author/dhtml/reference/objects/obj_document.asp)

## <form>

form.1.html

```
<html>
<head>

<script language="javascript">
function func1(){
    var e;
    e = document.forms['testForm'].elements;
    alert('subject: ' + e['subject'].value);
    alert('content: ' + e['content'].value);
    alert('type: ' + e['type'].value);
}

function func2(){
    var e;
    e = document.forms['testForm'].elements;
    var len = e.length;
    var i;
    for (i=0; i<len; i++){
        alert(e[i].name + ': ' + e[i].value);
    }
}

</script>

</head>
<body>
<form name='testForm'>
    : <input type=text name=subject><br>
    : <textarea name=content rows=5 cols=20></textarea><br>
      : <select name=type>
        <option value="0">HTML
        <option value="1">HTML+Text
        <option value="2">Text
      </select><br>
<input type=submit value="    ">
</form>

<a href="" onClick="func1(); return false;">          1</a>
<a href="" onClick="func2(); return false;">          2</a>
</body>
</html>
```

---

func1() <form>

가

<form name='testForm'>

가

<form>

testForm

```
var f;  
f = document.forms['testForm'];
```

<form>

. <form>

elements

<input>

<form>

가

```
var e;  
e = document.forms['testForm'].elements;
```

, <input name=subject> 가

```
var o;  
o = document.forms['testForm'].elements['subject'];
```

.value

```
var value;  
value = document.forms['testForm'].elements['subject'].value;
```

가

```
var e;  
e = document.forms['testForm'].elements;  
var subject, content;  
subject = e['subject'].value;  
content = e['content'].value;
```

func1()

---

HTML

0

가

```
var e, i;  
e = document.forms[0].elements;  
  
for (i=0; i<10; i++){  
    alert(e[i].value);  
}
```

---

**onSubmit**

<form>

onSubmit

가

가

JavaScript 가 onSubmit 가 ,  
 return false 가 . 가  
 onSubmit return  
 false .  
 func1()

```
form.2.html

<html>
<head>

<script language="javascript">
function func1(){
    var e;
    e = document.forms['testForm'].elements;
    alert('subject: ' + e['subject'].value);
    alert('content: ' + e['content'].value);
    alert('type: ' + e['type'].value);

    return true;
}

</script>

</head>
<body>
<form name='testForm' onSubmit="return func1();">
    : <input type=text name=subject><br>
    : <textarea name=content rows=5 cols=20></textarea><br>
      : <select name=type>
        <option value="0">HTML
        <option value="1">HTML+Text
        <option value="2">Text
      </select><br>
<input type=submit value="  ">
</form>
</body>
</html>
```

**: <form>**

- 
- ☐ HTML .
  - ☐ subject 5 , content 10 ,  
Text .
  - ☐ 1 .
  - ☐ <input type=submit>

```
var a;
a = 'hello';
alert(a.length);
```

## Javascript

가 HTML  
HTML  
Javascript  
form.3.html form3.js

```
form.3.html

<html>
<head>

<script language="javascript" src="form.3.js"></script>

</head>
<body>
<form name='testForm' onSubmit="return func1();">
  : <input type=text name=subject><br>
  : <textarea name=content rows=5 cols=20></textarea><br>
    : <select name=type>
      <option value="0">HTML
      <option value="1">HTML+Text
      <option value="2">Text
    </select><br>
  <input type=submit value="  ">
</form>
</body>
</html>
```

Javascript , <script>

```
form.3.js

function func1(){
  var e;
  e = document.forms['testForm'].elements;
  alert('subject: ' + e['subject'].value);
  alert('content: ' + e['content'].value);
  alert('type: ' + e['type'].value);

  return true;
}
```