

# JS201

## Javascript

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



<b>JS201 JAVASCRIPT</b>	<b>1</b>
<FORM>	3
	3
: <form>	3
	3
: <form>	3
:	4
	4
:	4
	6
	8

## <form>

<form>	가	<form>
.	,	가
.		
Javascript	<form>	가
.		

---

<input type="checkbox"/> <form>	.	
<input type="checkbox"/>		가
.		

## : <form>

<input type="checkbox"/> <form>	elements	value	alert()	.
<input type="checkbox"/>	:	15		

## : <form>

validation.1.html

```
<head>
<script>
function checkValue(f){
    var j = f.elements.length
    var i;
    var re;
    var curr;

    for (i=0; i<j; i++)
    {
        curr = f.elements[i];

        alert(curr.value);

    }

    return true;
}
</script>
</head>
<body>
<form onsubmit="return checkValue(this);">
Name : <input type=text name=name><br>
Age : <input type=text name=age><br>
```

```

<input type=submit>
</form>

</body>

```

.) ( submit

:

<form>

가

.

.

☐

V

true

.

☐

checkValue V=true

.

☐

: 10

:

validation.2.html

```

<head>
<script>
function checkValue(f){
    var j = f.elements.length
    var i;
    var re;
    var curr;

    for (i=0; i<j; i++)
    {
        curr = f.elements[i];

        if (typeof(curr.V) == 'undefined') continue;
        if (curr.V != 'true') continue;

        alert(curr.value + ', ' + curr.value.length);
    }

    return true;
}
</script>
</head>
<body>
<form onsubmit="return checkValue(this);">
Name : <input type=text name=name V=true><br>
Age : <input type=text name=age V=true><br>
<input type=submit>
</form>

</body>

```

DB

2

1

1

2

b\_length()

validation.3.html

```

<head>
<script>
function checkValue(f){
    var j = f.elements.length
    var i;
    var re;
    var curr;

    for (i=0; i<j; i++)
    {
        curr = f.elements[i];

        if (typeof(curr.V) == 'undefined') continue;
        if (curr.V != 'true') continue;

        alert(curr.value + ', ' + b_length(curr.value));
    }

    return true;
}

function b_length(str){
    var iRet = 0;
    var iLen = str.length;

    for (i=0; i<iLen; i++){
        if ((str.charCodeAt(i)<0) || (str.charCodeAt(i)>127)){
            iRet = iRet + 1;
        }
    }

    return (iLen + iRet);
}

</script>
</head>
<body>
<form onsubmit="return checkValue(this);">
Name : <input type=text name=name V=true><br>
Age : <input type=text name=age V=true><br>
<input type=submit>
</form>

</body>

```



<input>

MaxLen MinLen

HTML

<form>

MaxLen, MinLen

validation.4.html

```
<head>
<script>
function checkValue(f){
    var j = f.elements.length
    var i;
    var re;
    var curr;

    for (i=0; i<j; i++)
    {
        curr = f.elements[i];

        if (typeof(curr.V) == 'undefined') continue;
        if (curr.V != 'true') continue;

        if (!checkLength(curr)){
            return false;
        }
    }

    return true;
}

function checkLength(curr){
    var checkLen = true;
    var minLen, maxLen, length;

    minLen = parseInt(curr.MinLen);
    maxLen = parseInt(curr.MaxLen);

    length = parseInt(b_length(curr.value));
    if ((length<minLen) || (length>maxLen)){
        curr.focus();
        alert('      7|      .');
        return false;
    }

    return true;
}

function b_length(str){
    var iRet = 0;
    var iLen = str.length;

    for (i=0; i<iLen; i++){
        if ((str.charCodeAt(i)<0) || (str.charCodeAt(i)>127)){
```

```

        iRet = iRet + 1;
    }
}

return (iLen + iRet);
}

</script>
</head>
<body>
<form onsubmit="return checkValue(this);">
Name : <input type=text name=name
      V=true
      MinLen=6
      MaxLen=10><br>
Age : <input type=text name=age
      V=true
      MinLen=1
      MaxLen=3><br>
<input type=submit>
</form>

</body>

```

MinLen, MaxLen

가

가

가

가

validation.5.html

```

var ERRMSG_DEFAULT_LEN = "가 ."
...

function checkLength(curr){
    var checkLen = true;
    var minLen, maxLen, length;
    minLen = parseInt(curr.MinLen);
    if (isNaN(minLen)){
        return true;
    }
    maxLen = parseInt(curr.MaxLen);
    if (isNaN(maxLen)){
        return true;
    }

    length = parseInt(b_length(curr.value));
    if ((length<minLen) || (length>maxLen)){
        curr.focus();
        if (typeof(curr.LenErrMsg) == "undefined"){
            curr.LenErrMsg = ERRMSG_DEFAULT_LEN;
        }
        var errMsg = curr.LenErrMsg;
        errMsg = errMsg.replace("$MinLen", curr.MinLen);
        errMsg = errMsg.replace("$MaxLen", curr.MaxLen);
        alert(errMsg);
    }
}

```

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        return false;
    }

    return true;
}

...

```

## Javascript

```

cybaek_validation.js

/*
 * Validation Library
 *
 * @version 1.1
 * @author BAEK, CHANG YOL http://cybaek.com/
 * @date 2003.11.26
 */
var ERRMSG_DEFAULT_SCOPE = "가 ( : $MinScope, : $MaxScope)";
var ERRMSG_DEFAULT_LEN = "가 ( : $MinLen, : $MaxLen)";
var ERRMSG_DEFAULT_CHECKFUNC = " .";
var ERRMSG_DEFAULT_FORBIDDEN_CHARS = "$ForbiddenChars , $FoundChar가 .";
var ERRMSG_DEFAULT_REGEXP = " .";
var ERRMSG_NUMBER = " .";

function checkValue(f){
    var j = f.elements.length
    var i;
    var re;
    var curr;

    for (i=0; i<j; i++)
    {
        curr = f.elements[i];
        if (typeof(curr.V) == "undefined") continue;

        preprocess(curr);

        if (!checkLength(curr) ||
            !checkScope(curr) ||
            !checkWithFunc(curr) ||
            !checkWithRegExp(curr)){
            return false;
        }
    }
}

```



```

        if (!checkForbiddenChars(curr)){
            return false;
        }
    }

    return true;
}

function preprocess(curr){
    removeExtremeSpace(curr);
}

function removeExtremeSpace(curr){
    if (typeof(curr.Trim) != "undefined"){
        if (curr.Trim.indexOf("L") != -1){
            curr.value = ltrim(curr.value);
        }
        if (curr.Trim.indexOf("R") != -1){
            curr.value = rtrim(curr.value);
        }
    }
}

// @author: brad@vermontsoftware.com
function ltrim(str){
    var whitespace = new String(" \t\n\r");

    var s = new String(str);

    if (whitespace.indexOf(s.charAt(0)) != -1) {
        // We have a string with leading blank(s)...

        var j=0, i = s.length;

        // Iterate from the far left of string until we
        // don't have any more whitespace...
        while (j < i && whitespace.indexOf(s.charAt(j)) != -1)
            j++;

        // Get the substring from the first non-whitespace
        // character to the end of the string...
        s = s.substring(j, i);
    }
    return s;
}

// @author: brad@vermontsoftware.com
function rtrim(str){
    // We don't want to trip JUST spaces, but also tabs,
    // line feeds, etc. Add anything else you want to
    // "trim" here in Whitespace
    var whitespace = new String(" \t\n\r");

    var s = new String(str);

    if (whitespace.indexOf(s.charAt(s.length-1)) != -1) {
        // We have a string with trailing blank(s)...
    }
}

```

```

    var i = s.length - 1;          // Get length of string

    // Iterate from the far right of string until we
    // don't have any more whitespace...
    while (i >= 0 && whitespace.indexOf(s.charAt(i)) != -1)
        i--;

    // Get the substring from the front of the string to
    // where the last non-whitespace character is...
    s = s.substring(0, i+1);
}

return s;
}

// @author: brad@vermontsoftware.com
function trim(str){
    return rtrim(ltrim(str));
}

function checkLength(curr){
    var checkLen = true;
    var minLen, maxLen, length;
    minLen = parseInt(curr.MinLen);
    if (isNaN(minLen)){
        return true;
    }
    maxLen = parseInt(curr.MaxLen);
    if (isNaN(maxLen)){
        return true;
    }

    length = parseInt(b_length(curr.value));
    if ((length<minLen) || (length>maxLen)){
        curr.focus();
        if (typeof(curr.LenErrMsg) == "undefined"){
            curr.LenErrMsg = ERRMSG_DEFAULT_LEN;
        }
        var errMsg = curr.LenErrMsg;
        errMsg = errMsg.replace("$MinLen", curr.MinLen);
        errMsg = errMsg.replace("$MaxLen", curr.MaxLen);
        alert(errMsg);
        return false;
    }

    return true;
}

function checkScope(curr){
    var checkScope = true;
    var minScope, maxScope;

    minScope = parseInt(curr.MinScope);
    if (isNaN(minScope)){
        return true;
    }

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```

maxScope = parseInt(curr.MaxScope);
if (isNaN(maxScope)){
    return true;
}

if (isNaN(curr.value)){
    curr.focus();
    alert(ERRMSG_NUMBER);
    return false;
}

if ((curr.value > maxScope) || (curr.value < minScope)){
    curr.focus();
    if (typeof(curr.ScopeErrMsg) == "undefined"){
        curr.ScopeErrMsg = ERRMSG_DEFAULT_SCOPE;
    }
    var errMsg = curr.ScopeErrMsg;
    errMsg = errMsg.replace("$MinScope", curr.MinScope);
    errMsg = errMsg.replace("$MaxScope", curr.MaxScope);
    alert(errMsg);
    return false;
}

return true;
}

function checkWithFunc(curr){
    var result;

    if (typeof(curr.CheckFunc) != "undefined"){
        try{
            result = eval(curr.CheckFunc+"(curr, curr.value);");
        }
        catch(e){
            alert("                " + curr.CheckFunc + "(src, value)
            .");
            result = false;
        }
        if (!result){
            curr.focus();
            if (typeof(curr.CheckFuncErrMsg) == "undefined"){
                curr.CheckFuncErrMsg = ERRMSG_DEFAULT_CHECKFUNC;
            }
            alert(curr.CheckFuncErrMsg);
            return false;
        }
    }
    return true;
}

function checkForbiddenChars(curr){
    if (typeof(curr.ForbiddenChars) == "undefined"){
        return true;
    }

    var length, i, currChar, value;
    length = curr.value.length;
    value = curr.value;

```

```

        for(i=0; i<length; i++){
            currChar = value.charAt(i);
            if (curr.ForbiddenChars.indexOf(currChar) != -1){
                curr.focus();
                if (typeof(curr.ForbiddenCharsErrMsg) == "undefined"){
                    curr.ForbiddenCharsErrMsg = ERRMSG_DEFAULT_FORBIDDEN_CHARS;
                }
                var errMsg = curr.ForbiddenCharsErrMsg;
                errMsg = errMsg.replace("$ForbiddenChars", curr.ForbiddenChars);
                errMsg = errMsg.replace("$FoundChar", currChar);
                alert(errMsg);
                return false;
            }
        }
        return true;
    }

function checkWithRegExp(curr){
    if (typeof(curr.RegExp) == "undefined"){
        return true;
    }

    var re = new RegExp(curr.RegExp, "gi");
    if (!re.test(curr.value)){
        curr.focus();
        if (typeof(curr.RegExpErrMsg) == "undefined"){
            curr.RegExpErrMsg = ERRMSG_DEFAULT_REGEXP;
        }
        var errMsg = curr.RegExpErrMsg;
        errMsg = errMsg.replace("$RegExp", curr.RegExpErrMsg);
        alert(errMsg);
        return false;
    }

    return true;
}

function b_length(str){
    var iRet = 0;
    var iLen = str.length;

    for (i=0; i<iLen; i++){
        if ((str.charCodeAt(i)<0) || (str.charCodeAt(i)>127)){
            iRet = iRet + 1;
        }
    }

    return (iLen + iRet);
}

```

sample.html

<!--

V

-->

```

<script src=cybaek_validation.js></script>

<form onsubmit="return checkValue(this);">
<!--
*

V, MinLen, MaxLen

LenErrMsg:                                     js                                     .
        $MinLen, $MaxLen                                     .
-->
Name : <input type=text name=name
        V=true
        MinLen="6" MaxLen="10"
        LenErrMsg="      가      $MinLen ,      $MaxLen      ."
        >

<!--
*

V, MinScope, MaxScope

ScopeErrMsg:                                     js                                     .
        $MinScope, $MaxScope                                     .
-->
Age : <input type=text name=age
        V=true
        MinScope="14" MaxScope="100"
        ScopeErrMsg="      가      . $MinScope
$MaxScope      ."
        >

<!--
*

V, CheckFunc

CheckFuncErrMsg:                                     js                                     .
-->
Zip : <input type=text name=zip
        V=true
        MinLen="7" MaxLen="7"
        LenErrMsg="      가      ."
        CheckFunc="checkZip"
        CheckFuncErrMsg="      가      ."
        Trim="RL"
        >
<br>

```

```

<!--
*

V, ForbiddenChars

ForbiddenCharsErrMsg:                                js                                .
-->
Gender : <input type=text name=gender
        V=true
        ForbiddenChars="!@#$$%^&*"
        ForbiddenCharsErrMsg="$ForbiddenChars          , $FoundChar가
        . "
        >

<!--
*

V, RegExp

RegExpErrMsg                                js                                .
-->
        : <input type=text name=code
        V=true
        RegExp="^[a-zA-Z]{2}\\d\\d\\d$"
        RegExpErrMsg="                                . ( , CS101, CE502)"
        >

<input type=submit>
</form>

<script>
function checkZip(src, value){
    alert(' : ' + value);
    return true;
}
</script>

```