

5. 자바스크립트 응용

▶ 예제1

```
<HTML>
<HEAD>
<TITLE>1.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function init(){
    window.open('1-popup.html', '', 'menubar=no, width=100, height=100');
}
//-->
</SCRIPT>
</HEAD>
<BODY OnLoad="init()" STYLE="background-image:URL(images/background1.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
문서가 로딩될 때 '공지사항' 팝업창을 띄웁니다.<BR>
팝업창의 크기는 내용에 따라 자동조정되며, 위치는 화면의 중앙에 위치합니다.
</DIV>
</BODY>
</HTML>
```

```
<HTML>
<HEAD>
<TITLE>1-popup.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
// 팝업창의 크기를 자동 조정
function winResize(){
    var Dwidth = parseInt(document.body.scrollWidth);
    var Dheight = parseInt(document.body.scrollHeight);
    var divEl = document.createElement("div");
    divEl.style.position = "absolute";
    divEl.style.left = "0px";
    divEl.style.top = "0px";
    divEl.style.width = "100%";
    divEl.style.height = "100%";
    document.body.appendChild(divEl);
    window.resizeBy(Dwidth-divEl.offsetWidth, Dheight-divEl.offsetHeight);
    document.body.removeChild(divEl);
}
```

```

// 팝업창을 화면의 중앙으로 위치
function winCenter(){
    var x,y;
    if (self.innerHeight) { // IE 외 모든 브라우저
        x = (screen.availWidth - self.innerWidth) / 2;
        y = (screen.availHeight - self.innerHeight) / 2;
    }else if (document.documentElement && document.documentElement.clientHeight) { // IE
        x = (screen.availWidth - document.documentElement.clientWidth) / 2;
        y = (screen.availHeight - document.documentElement.clientHeight) / 2;
    }
    window.moveTo(x,y);
}
//-->
</SCRIPT>
</HEAD>

<BODY OnLoad="winResize();winCenter()">
<TABLE WIDTH="320" BORDER="1" BORDERCOLOR="#CCCCCC" ALIGN="center"
CELLPADDING="5" CELLSPACING="0">
    <TR BGCOLOR="#FFCC00">
        <TD ALIGN="center"> <B>공 지 사 항</B>    </TD>
    </TR>
    <TR BORDERCOLOR="white">
        <TD ALIGN="center">
            <BR>
            서버 이전 관계로 인하여<BR>
            2008년 3월 31일 00:00 부터<BR>
            2008년 3월 31일 12:00 까지<BR>
            메일 서비스가 중단됨을 알려 드립니다.<BR>
            보다 나은 서비스가 이루어질 수 있도록 <BR>
            최선을 다하겠습니다.<BR><BR>
        </TD>
    </TR>
</TABLE>
<BR>
<CENTER>
<INPUT TYPE="button" Value="닫기" OnClick="self.close()">
</CENTER>
</BODY>
</HTML>

```

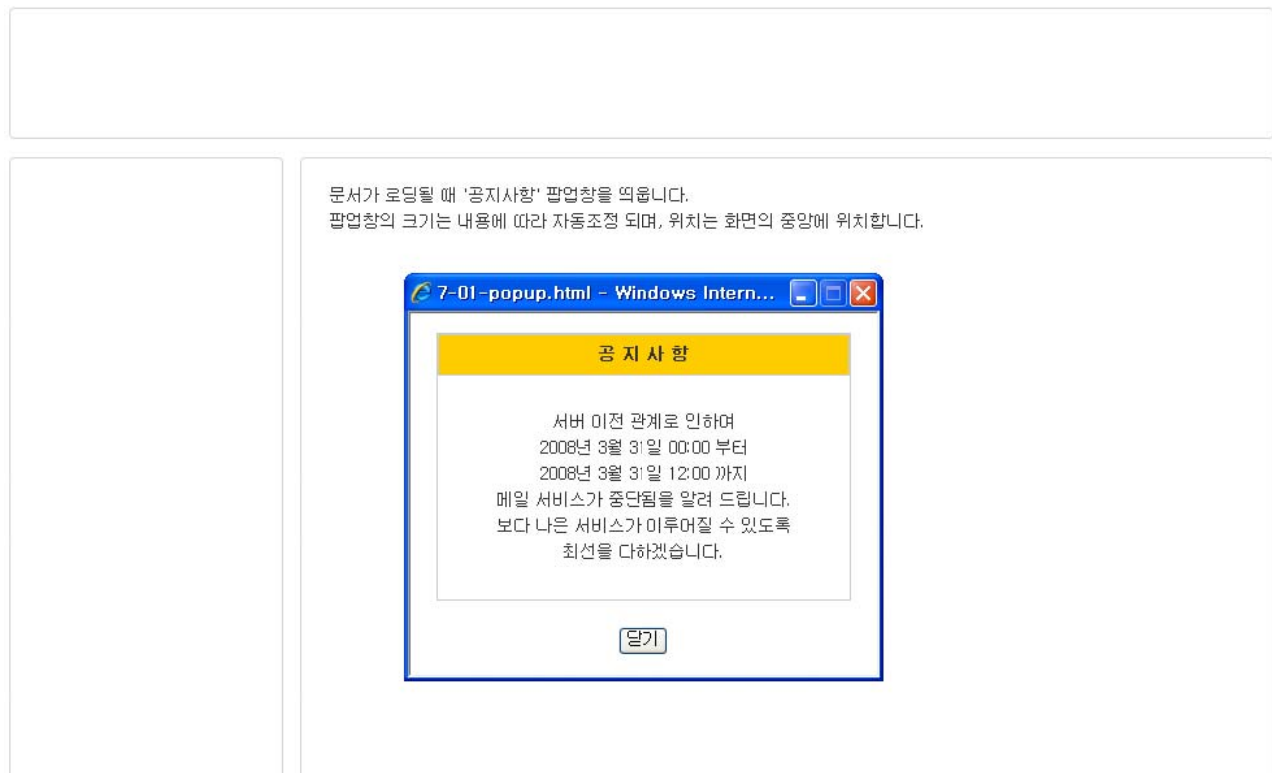
[common.css]

```
body
{
    background-color: #FFFFFF;
    color: #333333;
    font-family: "굴림", "Verdana";
    font-size:10pt;
    line-height:150%;
}

table
{
    color: #333333;
    font-family: "굴림", "Verdana";
    font-size:10pt;
    line-height:150%;
}

/* Black 텍스트 Hyperlink Style */
A:link { font-size:10pt; font-family:굴림;color:#565656; text-decoration:none; }
A:visited { font-size:10pt; font-family:굴림;color:#565656; text-decoration:none; }
A:active { font-size:10pt; font-family:굴림;color:#FF6000; text-decoration:none; }
A:hover { font-size:10pt; font-family:굴림;color:#FF6000;text-decoration:none; }
```

[실행결과]



▶ 예 제2

```
<HTML>
<HEAD>
<TITLE>2.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
isIE=document.all;
isNN=!document.all&&document.getElementById;
isN4=document.layers;
isHot=false;

function ddInit(e){
    topDog=isIE ? "BODY" : "HTML";
    whichDog=isIE ? document.all.theLayer : document.getElementById("theLayer");
    hotDog=isIE ? event.srcElement : e.target;
    while (hotDog.id!="titleBar"&&hotDog.tagName!=topDog)
        hotDog=isIE ? hotDog.parentElement : hotDog.parentNode;
    if (hotDog.id=="titleBar"){
        offsetx=isIE ? event.clientX : e.clientX;
        offsety=isIE ? event.clientY : e.clientY;
        nowX=parseInt(whichDog.style.left);
        nowY=parseInt(whichDog.style.top);
        ddEnabled=true;
        document.onmousemove=dd;
    }
}

function dd(e){
    if (!ddEnabled) return;
    whichDog.style.left=isIE ? nowX+ event.clientX-offsetx : nowX+ e.clientX-offsetx;
    whichDog.style.top=isIE ? nowY+ event.clientY-offsety : nowY+ e.clientY-offsety;
    return false;
}

function ddN4(whatDog){
    if (!isN4) return;
    N4=eval(whatDog);
    N4.captureEvents(Event.MOUSEDOWN|Event.MOUSEUP);
    N4.onmousedown=function(e){
        N4.captureEvents(Event.MOUSEMOVE);
        N4x=e.x;
        N4y=e.y;
    }
}
```

```

        N4.onmousemove=function(e){
            if (isHot){
                N4.moveBy(e.x-N4x,e.y-N4y);
                return false;
            }
        }
        N4.onmouseup=function(){
            N4.releaseEvents(Event.MOUSEMOVE);
        }
    }
function hideMe(){
    if (isIE| isNN)
        whichDog.style.visibility="hidden";
    else if (isN4)
        document.theLayer.visibility="hide";
}
function showMe(){
    if (isIE| isNN)
        whichDog.style.visibility="visible";
    else if (isN4)
        document.theLayer.visibility="show";
}

document.onmousedown=ddInit;
document.onmouseup=Function("ddEnabled=false");
//-->
</SCRIPT>
</HEAD>

<BODY STYLE="background-image:URL(images/background2.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
문서가 로딩될 때 '공지사항' 팝업창을 띄웁니다.<BR>
팝업창은 레이어 형태로 띄워지게 됩니다.

<DIV ID="theLayer" STYLE="position:absolute;width:250px; visibility:visible; left:100px; top:
100px; display:block;">
<TABLE WIDTH="320" BORDER="1" BORDERCOLOR="#CCCCCC" ALIGN="center"
CELLPADDING="5" CELLSPACING="0">
    <TR BGCOLOR="#FFCC00">
        <TD ID="titleBar" STYLE="cursor:move" ALIGN="center">
            <ilayer width="100%" onSelectStart="return false">
            <layer width="100%" onmouseover="isHot=true;if (isN4) ddN4(theLayer)"
                onmouseout="isHot=false">

```

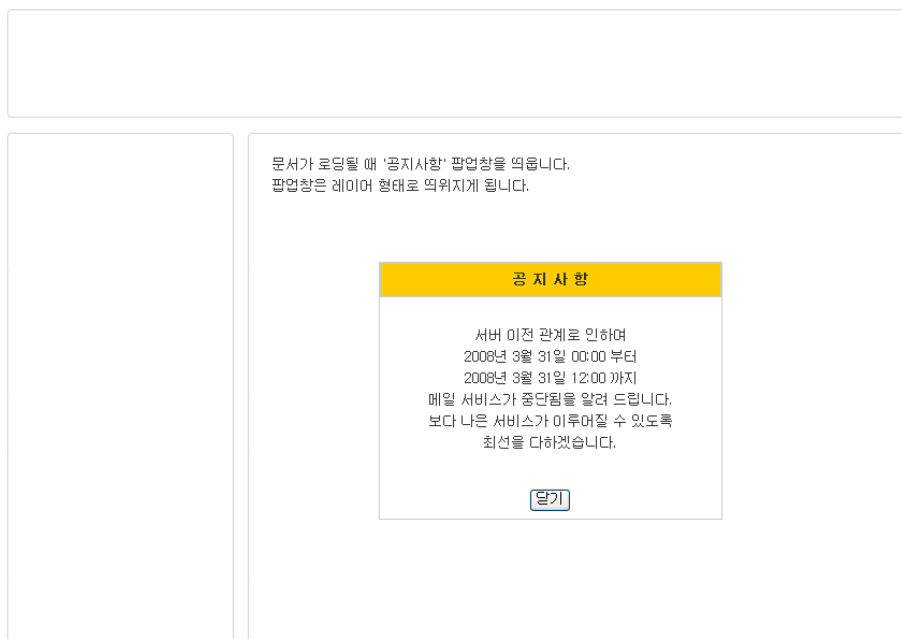
```

        <B>공 지 사 항</B>
        </layer>
    </ilayer>
</TD>
</TR>
<TR BORDERCOLOR="white">
    <TD ALIGN="center">
        <BR>
        서버 이전 관계로 인하여<BR>
        2008년 3월 31일 00:00 부터<BR>
        2008년 3월 31일 12:00 까지<BR>
        메일 서비스가 중단됨을 알려 드립니다.<BR>
        보다 나은 서비스가 이루어질 수 있도록 <BR>
        최선을 다하겠습니다.<BR><BR>
    </TD>
</TR>
<TR BORDERCOLOR="white">
    <TD ALIGN="center">
        <INPUT TYPE="button" Value="닫기" OnClick="hideMe();return false">
    </TD>
</TR>
</TABLE>
</DIV>

</DIV>
</BODY>
</HTML>

```

[실행결과]



▶ 예제3

```
<HTML>
<HEAD>
<TITLE>3.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function init(){
    if(notice_getCookie("Notice") != "done")
        window.open('3-popup.html', '', 'menubar=no, width=100, height=100');
}

// 쿠키값 가져오기
function notice_getCookie(name){
    var nameOfCookie = name + "=";
    var x = 0;
    while(x <= document.cookie.length){
        var y = (x+nameOfCookie.length);
        if(document.cookie.substring( x, y ) == nameOfCookie){
            if((endOfCookie=document.cookie.indexOf( ";", y )) == -1)
                endOfCookie = document.cookie.length;
            return unescape(document.cookie.substring( y, endOfCookie ));
        }
        x = document.cookie.indexOf(" ", x) + 1;
        if(x == 0)
            break;
    }
    return "";
}
//-->
</SCRIPT>
</HEAD>

<BODY OnLoad="init()" STYLE="background-image:URL(images/background1.gif);
background-repeat:no-repeat">

<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
문서가 로딩될 때 '공지사항' 팝업창을 띄웁니다.<BR>
팝업창은 쿠키값을 확인하여 '오늘은 이 창을 다시 열지않음'으로 설정되어 있지 않은 경우에만 팝업
창을 띄웁니다.
</DIV>
</BODY>
</HTML>
```

```

<HTML>
<HEAD>
<TITLE>3-popup.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
// 팝업창의 크기를 자동 조정
function winResize(){
    var Dwidth = parseInt(document.body.scrollWidth);
    var Dheight = parseInt(document.body.scrollHeight);
    var divEl = document.createElement("div");
    divEl.style.position = "absolute";
    divEl.style.left = "0px";
    divEl.style.top = "0px";
    divEl.style.width = "100%";
    divEl.style.height = "100%";

    document.body.appendChild(divEl);

    window.resizeBy(Dwidth-divEl.offsetWidth, Dheight-divEl.offsetHeight);
    document.body.removeChild(divEl);
}
// 쿠키 저장
function notice_setCookie(name, value, expiredays){
    var todayDate = new Date();
    todayDate.setDate(todayDate.getDate() + expiredays);
    document.cookie = name + "=" + escape( value ) + "; path=/; expires=" +
todayDate.toGMTString() + ";";
}
// 팝업창 닫기
function notice_closeWin(){
    if(document.forms[0].Notice.checked)
        notice_setCookie("Notice", "done" , 1); // 1=하루동안 공지 창을 열지 않음
    self.close();
}
//-->
</SCRIPT>
</HEAD>
<BODY OnLoad="winResize()">
<FORM NAME="form1" STYLE="margin:0">
<TABLE WIDTH="320" BORDER="1" BORDERCOLOR="#CCCCCC" ALIGN="center"
CELLPADDING="5" CELLSPACING="0">
    <TR BGCOLOR="#FFCC00">
        <TD ALIGN="center"><B>공 지 사 항</B></TD>

```

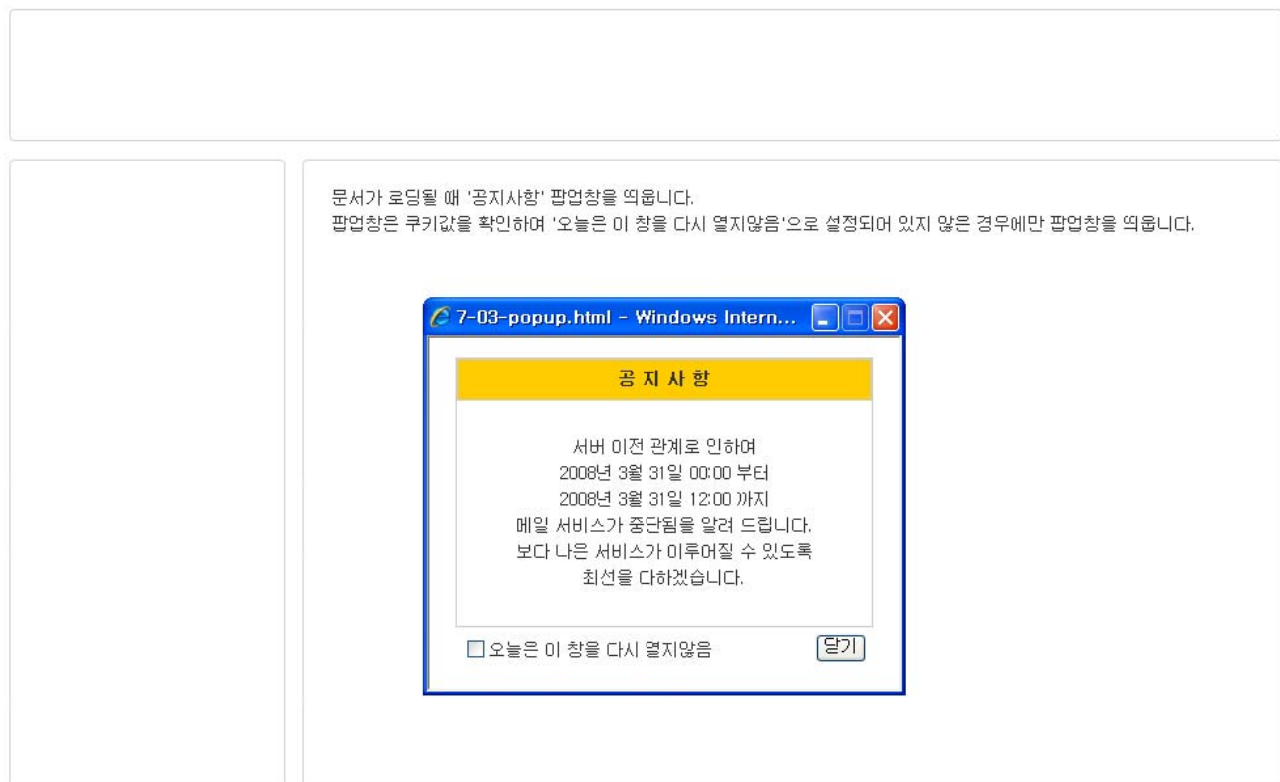


```

</TR>
<TR BORDERCOLOR="white">
  <TD ALIGN="center">
    <BR>
    서버 이전 관계로 인하여<BR>
    2008년 3월 31일 00:00 부터<BR>
    2008년 3월 31일 12:00 까지<BR>
    메일 서비스가 중단됨을 알려 드립니다.<BR>
    보다 나은 서비스가 이루어질 수 있도록 <BR>
    최선을 다하겠습니다.<BR><BR>
  </TD>
</TR>
</TABLE>
<TABLE WIDTH="320" BORDER="0" ALIGN="center" CELLPADDING="5" CELLSPACING="0">
  <TR>
    <TD><INPUT TYPE="checkbox" NAME="Notice">오늘은 이 창을 다시 열지않음
  </TD>
    <TD ALIGN="right"><INPUT TYPE="button" Value="닫기"
    OnClick="notice_closeWin()"></TD>
  </TR>
</TABLE>
</FORM>
</BODY>
</HTML>

```

[실행결과]



▶ 예제4

```
<HTML>
<HEAD>
<TITLE>4.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
// 하위 메뉴를 보여준다
function change_menu(menu_name){
    for(i=1; i<=5; i++){
        show_layer("menu" + i, 1);
    }
    if(menu_name != "")
        show_layer(menu_name, 0);
}
// 해당 레이어를 보여준다
// flag의 값이 0이면 해당 레이어를 보이게 하고 flag의 값이 0이 아니면 해당 레이어를 보이지 않게 함
function show_layer(lname, flag){
    var layer = (navigator.appName.indexOf('Netscape', 0) != -1)
                ? document.layers[lname] : document.all[lname];
    if(lname == "")
        return;
    if(navigator.appName.indexOf('Netscape', 0) != -1)
        layer.visibility = (flag == 0) ? 'show' : 'hide';
    else
        layer.style.visibility = (flag == 0) ? 'visible' : 'hidden';
}
//-->
</SCRIPT>
</HEAD>
<BODY STYLE="background-image:URL(images/background1.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:36px;left:30px;width:936px;height:80px;">
<TABLE WIDTH="100%" HEIGHT="45" BORDER="0" BGCOLOR="#CCCCCC" ALIGN="center"
CELLPADDING="0" CELLSPACING="1">
    <TR>
        <TD BGCOLOR="#FFCC00" ALIGN="center">
            <A HREF="#" OnMouseOver="change_menu('');"><B>Home</B></A>
        </TD>
        <TD BGCOLOR="#FFFFFF" ALIGN="center">
            <A HREF="#" OnMouseOver="change_menu('menu1');"><B>상단메뉴1</B></A>
        </TD>
        <TD BGCOLOR="#FFFFFF" ALIGN="center">
```

```
<A HREF="#" OnMouseOver="change_menu('menu2');"><B>상단메뉴2</B></A>
</TD>
<TD BGCOLOR="#FFFFFF" ALIGN="center">
    <A HREF="#" OnMouseOver="change_menu('menu3');"><B>상단메뉴3</B></A>
</TD>
<TD BGCOLOR="#FFFFFF" ALIGN="center">
    <A HREF="#" OnMouseOver="change_menu('menu4');"><B>상단메뉴4</B></A>
</TD>
<TD BGCOLOR="#FFFFFF" ALIGN="center">
    <A HREF="#" OnMouseOver="change_menu('menu5');"><B>상단메뉴5</B></A>
</TD>
</TR>
</TABLE>

<DIV ID="menu1" STYLE="position:absolute; left:120px; top:50px; z-index:1;
visibility:hidden;">
- <A HREF="#">하위 메뉴 1</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 2</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 3</A>
</DIV>

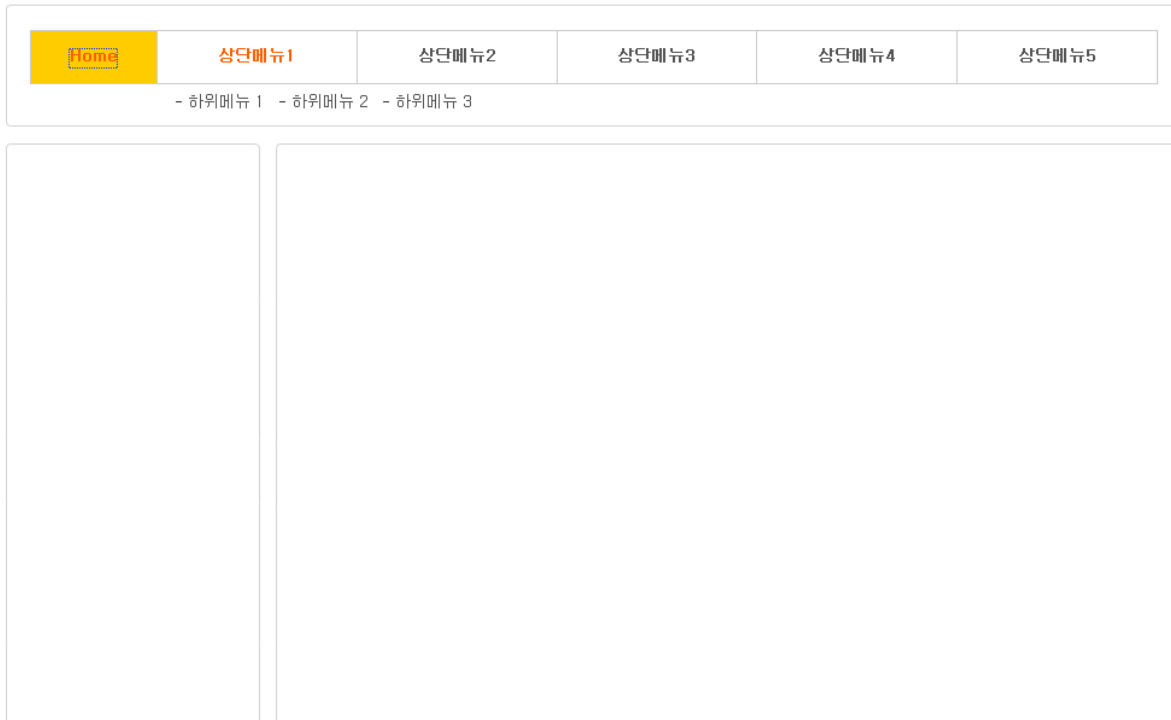
<DIV ID="menu2" STYLE="position:absolute; left:282px; top:50px; z-index:1;
visibility:hidden;">
- <A HREF="#">하위 메뉴 1</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 2</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~ - <A HREF="#">하위 메뉴 3</A>
</DIV>

<DIV ID="menu3" STYLE="position:absolute; left:446px; top:50px; z-index:1;
visibility:hidden;">
- <A HREF="#">하위 메뉴 1</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 2</A>&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 3</A>
</DIV>

<DIV ID="menu4" STYLE="position:absolute; left:610px; top:50px; z-index:1;
visibility:hidden;">
- <A HREF="#">하위 메뉴 1</A>&nbsp;&nbsp;&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 2</A>&nbsp;&nbsp;&~ - <A HREF="#">하위 메뉴 3</A>
</DIV>

<DIV ID="menu5" STYLE="position:absolute; left:690px; top:50px; z-index:1;
visibility:hidden;">
- <A HREF="#">하위 메뉴 1</A>&nbsp;&nbsp;&~
- <A HREF="#">하위 메뉴 2</A>&nbsp;&~ - <A HREF="#">하위 메뉴 3</A>
</DIV>
</DIV>
</BODY>
</HTML>
```

[실행결과]



▶ 예제5

```
<HTML>
<HEAD>
<TITLE>5.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
//JS의 URL경로
var temp = document.getElementsByTagName("SCRIPT");
temp = temp[temp.length-1].src;
temp = temp.substr(0,temp.lastIndexOf('/'));
if(temp!="")
    var js_tree_menu_path = temp;
else
    var js_tree_menu_path='.';
temp = null;

var js_tree_menu = function(ta_div){
    this.icons = new Object();
    this.icon_size = '18'; //아이콘 크기
    this.icon_path = js_tree_menu_path;
    this.data = new Array();
    this.ta_div = ta_div;
    this.divs = null
```

```

        this.click_all_close = false;
        this.ta_div.innerHTML = "";
    }
    js_tree_menu.prototype.create = function(){
        this.init_icon();
        this.init_layout();
        this.data_process();
    }
    js_tree_menu.prototype.recreate = function(){
        this.init_layout();
        this.data_process();
    }
    js_tree_menu.prototype.init_icon = function(){
        this.icons['default']=    this.icon_path + '/images/7-05_1.gif';
        this.icons['plus']=      this.icon_path + '/images/7-05_2.gif';
        this.icons['minus']=     this.icon_path + '/images/7-05_3.gif';
        var imgs = new Array();
        imgs.push(new Image());
        imgs.push(new Image());
        imgs.push(new Image());
        imgs[0].src = this.icons['default'];
        imgs[1].src = this.icons['plus'];
        imgs[2].src = this.icons['minus'];
    }
    js_tree_menu.prototype.init_data = function(data){
        this.data = data;
    }
    js_tree_menu.prototype.init_layout = function(){
        if(this.layout_root){this.layout_root.parentNode.removeChild(this.layout_root);}
        this.layout_root = document.createElement('div');
        this.layout_root.className = 'js_tree_menu';
        this.layout_root.innerHTML = ""; //for test
        this.ta_div.appendChild(this.layout_root);
    }
    js_tree_menu.prototype.data_process = function(parent_menu,menu_div,data,step){
        var this_s=this;
        if(!menu_div){
            this.layout_root.innerHTML = "";
            parent_menu = null;
            menu_div = this.layout_root;
            data = this.data;
            step = 0;
        }
    }

```

```

var child = data.child;
for(var i=0,m=child.length;i<m;i++){
    var div1 = document.createElement('div');
    div1.className='menu';
    div1.parent_menu = parent_menu;
    var a1 = document.createElement('a');
    a1.innerHTML = child[i].name;
    if(child[i].href) a1.href=child[i].href;
    if(child[i].target) a1.target= child[i].target;
    var icon = document.createElement('img');
    div1.icon = icon;
    icon.src = this.icons['default'];
    icon.valign = 'absmiddle';
    div1.appendChild(icon);
    div1.appendChild(a1);

    if(step!=0)      div1.style.marginLeft=step*(this.icon_size)+ 'px';
    menu_div.appendChild(div1);
    if(child[i].child.length>0){
        div1.className='menu_folder';
        div1.style.cursor='pointer';
        child[i].div1 = div1; //데이터와 링크
        icon.src = this.icons['minus'];
        icon.style.cursor='pointer';
        a1.style.cursor='pointer';
        var div2 = document.createElement('div');
        div2.className='menu_child';
        div1.child = div2;
        menu_div.appendChild(div2);
        div1.fn_open = function(){
            var child = this.child,icon = this.icon;
            icon.src = this_s.icons['minus'];

            child.style.display="";
            if(this.parent_menu){
                this.parent_menu.fn_open(); //부모창도 함께 열린다.
            }
        }
        div1.fn_close = function(){
            var child = this.child,icon = this.icon;
            icon.src = this_s.icons['plus'];

            child.style.display='none'
        }
    }
}

```

```

        div1.onclick = function(){
            var child = this.child;
            if(child.style.display!='none'){
                this.fn_close();
            }
            else{
                if(this_s.click_all_close){
                    this_s.fn_close_all();}this.fn_open();
            }
        }
        div1.fn_click = div1.onclick;
        div1.fn_close();
        this.data_process(div1,div2,child[i],(step+ 1));
    }
    if(child[i].icon){
        icon.src = child[i].icon;
        icon.width=this.icon_size;
        icon.height=this.icon_size;
    }
}
}
js_tree_menu.prototype.pickup_data = function(arr){
    if(!arr){return false;}
    arr = arr.split(',');
    var ta = this.data;
    for(var i=0,m=arr.length;i<m;i++){
        ta = ta.child[arr[i]]
    }
    return ta;
}
js_tree_menu.prototype.fn_click = function(arr){
    var ta = this.pickup_data(arr);
    if(ta&&ta.div1.fn_click){
        if(this.click_all_close){
            this.fn_close_all();
        }
        ta.div1.fn_click();
    }
    else{return false;}
}
js_tree_menu.prototype.fn_open = function(arr){
    var ta = this.pickup_data(arr);
    if(ta&&ta.div1.fn_open){ta.div1.fn_open();}
    else{return false;}
}
}

```

```

js_tree_menu.prototype.fn_close = function(arr){
    var ta = this.pickup_data(arr);
    if(ta&&ta.div1.fn_close){
        ta.div1.fn_close();
    }
    else{
        return false;
    }
}

js_tree_menu.prototype.fn_click_all = function(data){
    if(!data) data = this.data;
    for(var i=0,m=data.child.length;i<m;i++){
        if(data.child[i].div1 && data.child[i].div1.fn_click)
            data.child[i].div1.fn_click();
        this.fn_click_all(data.child[i]);
    }
}

js_tree_menu.prototype.fn_open_all = function(data){
    if(!data) data = this.data;
    for(var i=0,m=data.child.length;i<m;i++){
        if(data.child[i].div1 && data.child[i].div1.fn_open)
            data.child[i].div1.fn_open();
        this.fn_open_all(data.child[i]);
    }
}

js_tree_menu.prototype.fn_close_all = function(data){
    if(!data) data = this.data;
    for(var i=0,m=data.child.length;i<m;i++){
        if(data.child[i].div1 && data.child[i].div1.fn_close)
            data.child[i].div1.fn_close();
        this.fn_close_all(data.child[i]);
    }
}

function init(){
    var tree = new js_tree_menu(document.getElementById('test_div'));
    tree.click_all_close = false; //or true    //클릭해서 오픈시 다른 메뉴는 모두 닫힌다.

    // 메뉴객체 생성
    // name : a 태그에 나타나는 내용
    // href : a 태그에 사용될 링크 URL
    // icon : 기본 아이콘 대신 사용할 아이콘 URL
    // child : 자식 개체 (수정하시면 안됩니다.)

```



```

//맨 위 객체를 생성 이것은 실제로는 "보이지 않습니다."
var data = {"name":"이름","href":"A tag 링크","target":"타겟","icon":"","child":[]};

//자식개체를 하나 생성
var child1 = {"name":"포털사이트","href":"","target":"","icon":"","child":[]};
//자식1를 맨위개체에 붙이기, 이로써 자식1은 실제로 보이는 제일 처음 보이는 메뉴가 됩니다.
data.child.push(child1);
//자식1의 하위개체를 생성
var child11 =
    {"name":"네이버","href":"http://www.naver.com","target":"_blank","icon":"","child":[]};
var child12 =
    {"name":"야후","href":"http://kr.yahoo.com","target":"_blank","icon":"","child":[]};
var child13 =
    {"name":"다음","href":"http://www.daum.net","target":"_blank","icon":"","child":[]};
//자식1의 하위개체 붙이기
child1.child.push(child11);
child1.child.push(child12);
child1.child.push(child13);

var child2 = {"name":"신문사이트","href":"","target":"","icon":"","child":[]};
data.child.push(child2);
var child21 =
    {"name":"조선일보","href":"http://www.chosun.com","target":"_blank","icon":"","child":[]};
var child22 =
    {"name":"동아일보","href":"http://www.donga.com","target":"_blank","icon":"","child":[]};
var child23 =
    {"name":"조인스","href":"http://www.join.com","target":"_blank","icon":"","child":[]};
child2.child.push(child21);
child2.child.push(child22);
child2.child.push(child23);

var child3 = {"name":"방송국사이트","href":"","target":"","icon":"","child":[]};
data.child.push(child3);
var child31 =
    {"name":"KBS","href":"http://www.kbs.co.kr","target":"_blank","icon":"","child":[]};
var child32 =
    {"name":"MBC","href":"http://www.imbc.com","target":"_blank","icon":"","child":[]};
var child33 =
    {"name":"SBS","href":"http://www.sbs.co.kr","target":"_blank","icon":"","child":[]};
child3.child.push(child31);
child3.child.push(child32);
child3.child.push(child33);

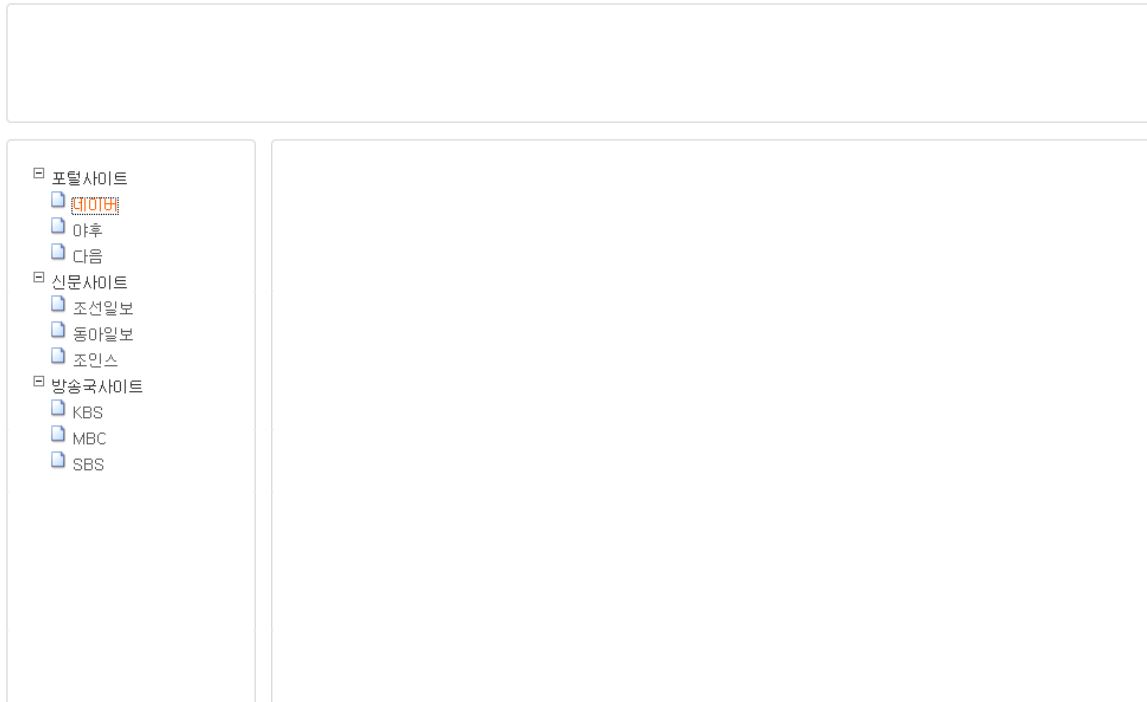
```

```

//트리에 메뉴객체를 연결합니다.
tree.init_data(data);
//트리메뉴를 만들어 보여줍니다.(화면에 나타납니다.)
tree.create();
}
//-->
</SCRIPT>
</HEAD>
<BODY OnLoad="init()" STYLE="background-image:URL(images/background1.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:30px;width:180px;height:440px;">
<DIV ID="test_div"></DIV>
</DIV>
</BODY>
</HTML>

```

[실행결과]



▶ 예 제 6

```
<HTML>
<HEAD>
<TITLE>6.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function Floating(FloatingObj,MarginX,MarginY,Percentage,setName) {
    this.FloatingObj = FloatingObj;
    this.MarginX = (MarginX) ? MarginX : 0;
    this.MarginY = (MarginY) ? MarginY : 0;
    this.Percentage = (Percentage) ? Percentage : 20;
    this.setName = (setName) ? setName : 10;
    this.FloatingObj.style.position = "absolute";
    this.Body = null;
    this.setTimeout = null;
    this.Run();
}
Floating.prototype.Run = function () {
    if ((document.documentElement.scrollLeft + document.documentElement.scrollTop) >
(document.body.scrollLeft + document.body.scrollTop)) {
        this.Body = document.documentElement;
    } else {
        this.Body = document.body;
    }

    var This = this;
    var FloatingObjLeft =
(this.FloatingObj.style.left)? parseInt(this.FloatingObj.style.left,10) : this.FloatingObj.offsetLeft;
    var FloatingObjTop =
(this.FloatingObj.style.top)? parseInt(this.FloatingObj.style.top,10) : this.FloatingObj.offsetTop;
    var DocLeft = this.Body.scrollLeft + this.MarginX;
    var DocTop = this.Body.scrollTop + this.MarginY;

    var MoveX = Math.abs(FloatingObjLeft - DocLeft);
    MoveX = Math.ceil(MoveX / this.Percentage);
    var MoveY = Math.abs(FloatingObjTop - DocTop);
    MoveY = Math.ceil(MoveY / this.Percentage);

    if (FloatingObjLeft < DocLeft) {
        this.FloatingObj.style.left = FloatingObjLeft + MoveX + "px";
    } else {
        this.FloatingObj.style.left = FloatingObjLeft - MoveX + "px";
    }
}
```

```

        if (FloatingObjTop < DocTop) {
            this.FloatingObj.style.top = FloatingObjTop + MoveY + "px";
        } else {
            this.FloatingObj.style.top = FloatingObjTop - MoveY + "px";
        }

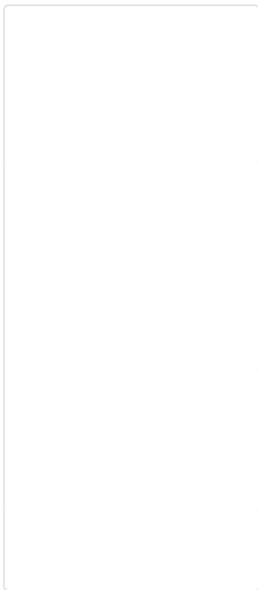
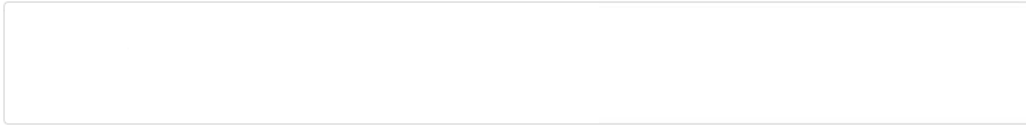
        window.clearTimeout(this.setTimeout);
        this.setTimeout = window.setTimeout(function () { This.Run(); },this.setTime);
    }

function init(){
    //사용법 new Floating(적용할개체 , X축여백 , Y축여백 , 미끄러지는속도:작을수록빠름..기본20 , 빠르기:작을수록부드러움..기본10);
    new Floating(document.getElementById("floater1"),866,130,30,10);
}
//-->
</SCRIPT>
</HEAD>

<BODY OnLoad="init()" STYLE="background-image:URL(images/background2.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
문서가 로딩될 때 '퀵메뉴'를 띄웁니다.<BR>
문서가 이동되어도 퀵메뉴는 화면 오른쪽에 따라 다닙니다.
</DIV>
<DIV ID="floater1" STYLE="position:absolute; left:866px">
    <IMG SRC="images/7-06.gif">
</DIV>
<TABLE WIDTH="800" HEIGHT="1000" CELLPADDING="5" CELLSPACING="1">
<TR>
    <TD></TD>
</TR>
</TABLE>
</BODY>
</HTML>

```

[실행결과]



문서가 로딩될 때 '책메뉴'를 띄웁니다.
문서가 이동되어도 책메뉴는 화면 오른쪽에 따라 다닙니다.



메뉴


▶ 예제7

```
<HTML>
<HEAD>
<TITLE>7.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
function preview(Obj,previewer) {
    if (/(\W.gif|\W.jpg|\W.jpeg)$/i.test(Obj.value) == false){
        alert("이미지 파일이 아닙니다. 이미지 파일을 선택하십시오");
        return;
    }
    previewer.innerHTML = "";
    var W = previewer.offsetWidth;
    var H = previewer.offsetHeight;
    var tmpImage = new Image();
    previewer.appendChild(tmpImage);
    tmpImage.onerror = function (){
        alert("잘못된 이미지 입니다.");
        return previewer.innerHTML = "";
    }
    tmpImage.onload = function (){
        if (this.width > W) {
            this.height = this.height / (this.width / W);
            this.width = W;
        }
        if (this.height > H) {
            this.width = this.width / (this.height / H);
            this.height = H;
        }
    }
    tmpImage.src = "file://" + Obj.value;
}
</SCRIPT>
</HEAD>
<BODY STYLE="background-image:URL(images/background1.gif);
background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
찾아보기 버튼을 클릭하여 이미지를 선택합니다.<BR><BR>
<INPUT TYPE="file" SIZE="50"
    OnChange="preview(this,document.getElementById('previewer'))"><BR>
<DIV ID="previewer" STYLE="border:1px solid #D7D7D7; width:300px; height:300px;
    text-align:center; overflow:hidden;"></DIV>
</DIV>
</BODY></HTML>
```

[실행결과]

찾아보기 버튼을 클릭하여 이미지를 선택합니다.

E:\강의자료\Javascript\예제\Part07\Study\imagest...



▶ 예제8

```
<HTML>
<HEAD>
<TITLE>8.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function init() {
    setTimeout("SlideShow()", 100);
}

// 슬라이드 할 포토 배열
var photo = new Array();
photo[0] = "images/7-08_1.jpg|320|245";
photo[1] = "images/7-08_2.jpg|320|245";
photo[2] = "images/7-08_3.jpg|320|245";

var nowSlide = -1;    // 현재 슬라이드 되는 포토번호
var slideTime;        // 슬라이드 타임

// 자동 슬라이드
function SlideShow() {
    if(document.getElementById("SlideShowAct").value == "PLAY") {
        slideTime = document.getElementById("SlideShowTime").value * 1000;
        nowSlide = (nowSlide == photo.length - 1) ? 0 : ++nowSlide;
        var pSlide = photo[nowSlide].split("|");
        document.getElementById("SlideShowZone").innerHTML =
            "<img src=W"+pSlide[0]+ "W" width=W"+pSlide[1]+ "W" height=W"+
            pSlide[2]+ "W" style=W"border: 5px solid #FF9900;W">";
        setTimeout("SlideShow()", slideTime);
    } else {
        clearTimeout("SlideShow()", 0);
    }
}

// 다음 슬라이드
function SlideNext() {
    // 실행중인 경우 중지
    if(document.getElementById("SlideShowAct").value == "PLAY")
        document.getElementById("SlideShowAct").value = "STOP";
    nowSlide = nowSlide + 1;
    nowSlide = (nowSlide == photo.length) ? 0 : nowSlide;var pSlide =
photo[nowSlide].split("|");
    document.getElementById("SlideShowZone").innerHTML = "<img
```



```

src=W"+ pSlide[0]+ "W"          width=W"+ pSlide[1]+ "W"          height=W"+ pSlide[2]+ "W"
style=W"border: 5px solid #FF9900;W">";
}

// 이전 슬라이드
function SlidePrev() {
    // 실행중인 경우 중지
    if(document.getElementById("SildeShowAct").value == "PLAY")
        document.getElementById("SildeShowAct").value = "STOP";
    nowSlide = nowSlide - 1;
    nowSlide = (nowSlide == -1) ? photo.length - 1 : nowSlide;
    var pSlide = photo[nowSlide].split("|");
    document.getElementById("SlideShowZone").innerHTML = "<img
src=W"+ pSlide[0]+ "W"          width=W"+ pSlide[1]+ "W"          height=W"+ pSlide[2]+ "W"
style=W"border: 5px solid #FF9900;W">";
}

// 재생시간 설정
function pmTime(type) {
    if(type == "+") {
        if(document.getElementById("SildeShowTime").value < 10) {
            document.getElementById("SildeShowTime").value =
parseInt(document.getElementById("SildeShowTime").value) + 1;
            document.getElementById("printSildeShowTime").innerHTML =
document.getElementById("SildeShowTime").value;
        } else {
            return false;
        }
    } else {
        if(document.getElementById("SildeShowTime").value > 1) {
            document.getElementById("SildeShowTime").value =
parseInt(document.getElementById("SildeShowTime").value) - 1;
            document.getElementById("printSildeShowTime").innerHTML =
document.getElementById("SildeShowTime").value;
        } else {
            return false;
        }
    }
}

// 시작, 정지 세팅
function SlideSet(val) {
    if(val != document.getElementById("SildeShowAct").value) {
        document.getElementById("SildeShowAct").value = val;
    }
}

```

[실행결과]



▶ 예 제9

```

<HTML>
<HEAD>
<TITLE>9.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function setHomePage(obj){
    obj.style.behavior='url(#default#homepage)';
    obj.setHomePage('http://www.naver.com');
}
function AddFavorite(obj){
    obj.style.behavior='url(#default#homepage)';
    window.external.AddFavorite('http://www.naver.com');
}
//-->
</SCRIPT>
</HEAD>
<BODY>
    STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:36px;left:30px;width:936px;height:80px;">
<A HREF="#" onClick="setHomePage(this)"><B>시작페이지로 등록</B></A>
|
<A HREF="#" onClick="AddFavorite(this)"><B>즐거찾기에 추가</B></A>
</DIV>
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
'시작페이지로 등록'을 클릭하면 현재 URL을 시작페이지로 설정할 수 있습니다.<BR>
'즐거찾기에 추가'를 클릭하면 현재 URL을 즐겨찾기에 추가할 수 있습니다.
</DIV>
</BODY>
</HTML>

```

[실행결과]



▶ 예제10

```
<HTML>
<HEAD>
<TITLE>10.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
var model = new Array();

function init(){
    var layer1 = document.getElementById('layer1');
    var layer2 = document.getElementById('layer2');
    var layer3 = document.getElementById('layer3');

    model.push(layer1);
    model.push(layer2);
    model.push(layer3);

    for(var i=0,max=model.length; i<max; i++){
        set_event_listener(model[i],'mouseover','switching_tab');
    }

    switch_execute(layer1);
}

function set_event_listener(obj,evt_type,callback){
    if(window.event){
        obj.attachEvent('on' + evt_type,eval(callback));
    }else{
        obj.addEventListener(evt_type,eval(callback),false);
    }
}

function switching_tab(e){
    var target;

    if(window.event){
        target = window.event.srcElement;
    }else{
        target = e.target;
    }

    switch_execute(target.parentNode);
}
```

```

function switch_execute(layer){
    var visible_tab_top = -1;
    var hidden_tab_top = 0;

    if(window.navigator.appName.indexOf('Explorer') > -1){
        visible_tab_top++;
        hidden_tab_top++;
    }

    for(var i=0,max=model.length; i<max; i++){
        var tab = get_tab_element(model[i]);
        var content = get_content_element(model[i]);

        if(model[i] == layer){
            model[i].style.zIndex = 99;
            tab.style.top = visible_tab_top;
            tab.style.backgroundColor = '#FFFFFF';
            content.style.backgroundColor = '#FFFFFF';
        }else{
            model[i].style.zIndex = 0;
            tab.style.top = hidden_tab_top;
            tab.style.backgroundColor = '#EEEEEE';
            content.style.backgroundColor = '#EEEEEE';
        }
    }
}

function get_tab_element(model){
    var child = model.childNodes;

    for(var i=0,max=child.length; i<max; i++){
        if(child[i].nodeType == 1 && child[i].className == 'tab'){
            return child[i];
        }
    }
}

function get_content_element(model){
    var child = model.childNodes;

    for(var i=0,max=child.length; i<max; i++){
        if(child[i].nodeType == 1 && child[i].className == 'content'){
            return child[i];
        }
    }
}

```

```

    }
}
//-->
</SCRIPT>

<STYLE>
.tab{width: 100px; height: 30px; border-top: solid 1px #D9D9D9; border-right: solid 1px
#D9D9D9; border-left: solid 1px #D9D9D9; background-color: #EEEEEE; position: absolute;
z-index: 2; text-align:center}
#tab1{margin-left: 10px}
#tab2{margin-left: 110px}
#tab3{margin-left: 210px}
.content{width: 600px; height: 140px; border: solid 1px #D9D9D9; background-color:
#EEEEEE; position: absolute; top: 29px; padding: 20px; z-index: 1}
#layer1{top: 50px; left: 50px; position: absolute}
#layer2{top: 50px; left: 50px; position: absolute}
#layer3{top: 50px; left: 50px; position: absolute}
</STYLE>
</HEAD>

<BODY
OnLoad="init()"
STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
탭 위에 마우스를 올려 놓으면 해당 내용을 볼 수 있습니다.
<DIV ID="layer1">
    <DIV ID="tab1" class="tab">포털사이트</DIV>
    <DIV class="content">
        네이버(http://www.naver.com) : 엔에이치엔 포털서비스<BR>
        야후(http://kr.yahoo.com) : 야후코리아 포털 서비스<BR>
        다음(http://www.daum.net) : 다음커뮤니케이션 포털서비스
    </DIV>
</DIV>
<DIV ID="layer2">
    <DIV ID="tab2" class="tab">신문사이트</DIV>
    <DIV class="content">
        조선일보(http://www.chosun.com) : 디지털 조선일보<BR>
        동아일보(http://www.donga.com) : 동아일보<BR>
        조인스(http://www.join.com) : 중앙일보 인터넷 신문
    </DIV>
</DIV>
<DIV ID="layer3">
    <DIV ID="tab3" class="tab">방송국사이트</DIV>
    <DIV class="content">
        KBS(http://www.kbs.co.kr) : 한국방송공사<BR>

```

```

MBC(http://www.imbc.com) : 문 화 방 송<BR>
SBS(http://www.sbs.co.kr) : SBS
</DIV>
</DIV>
</DIV>
</BODY>
</HTML>
```

[실행결과]



▶ 예제 11

```

<HTML>
<HEAD>
<TITLE>11.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
var zindex = 10000;
select_count = new Array();
ev_click      = new Array();

function insert_select(sn,w,f,b,g,c,img,event){
    ev_click[sn] = event;
    select_count[sn] = 0;
    zindex--;
    document.write("<input type=hidden name="+ sn+ " id="+ sn+ " value=" ">");
    document.write("      <table border='0' cellspacing='1' cellpadding='1' width='"+ w+ "
style='table-layout:fixed;width:"+ w+ "px; background-color:"+ b+ "px; onclick='select_click(W"+ sn+ "W");'
>");
        document.write("      <tr>");
        document.write("          <td bgcolor='"+ g+ "px>");
        document.write("              <input type='text' id='"+ sn+ "_select_name'
name='"+ sn+ "_select_name' style='border:none;cursor:hand;width:100%;font-size:"+ f+ "pt;'
onselectstart=W"return falseW" readonly> ");
        document.write("          </td>");
        if(img != "") {
            document.write("      <td width=18 bgcolor='"+ g+ "px align=center valign=bottom
style='cursor:hand'><img src='"+ img+ "px align='absmiddle'></td>");
        } else {
            document.write("      <td width=18 bgcolor='"+ g+ "px align=center valign=bottom
style='cursor:hand'>v</td>");
        }
        document.write("      </tr>");
        document.write("      </table>");

        document.write("<div id='"+ sn+ "_select_div' name='"+ sn+ "_select_div'
style='display:none;z-index:"+ zindex+ ";position:absolute;cursor:hand'
onmouseover=' "+ sn+ "_select_div.style.display=W"W"; '
onmouseout='"+ sn+ "_select_div.style.display=W"noneW";>");
        document.write("          <table border='0' cellspacing='1' cellpadding='1'
bgcolor='"+ b+ "px width='"+ w+ "px onmouseover='"+ sn+ "_select_div.style.display=W"W";>");
        document.write("              <tr><td bgcolor='"+ g+ "px style='line-height:1.3em;'
id='"+ sn+ "_select_span'></td></tr>");
        document.write("          </table>");

```



```

        document.write("    </div>");
    }

function insert_select_option(sn,f,b,g,c,v,vv,chk){
    select_count[sn] ++;
    option_html = "<span          style='width:100%;font-size:"+ f+ "pt'
onclick='"+ sn+ "_select_name.value=W'" + vv+ "W";"+ sn+ ".value=W'" + v+ "W";"+ sn+ "_select_div
.style.display=W"noneW";"+ ev_click[sn]+ "';'  onmouseover='this.style.background=W'" + c+ "W"
onmouseout='this.style.background=W'" + g+ "W'">"+ vv+ "</span><br>";

    if(select_count[sn] == 1 || chk == "Y" ) {
        document.getElementById( sn+ "_select_name" ).value = vv;
        document.getElementById( sn).value = v;
    }
    document.getElementById( sn+ "_select_span").innerHTML += option_html;
}

function select_click(sn){
    if ( document.getElementById( sn+ "_select_div").style.display == "none") {
        document.getElementById( sn+ "_select_div").style.display = "";
    } else {
        document.getElementById( sn+ "_select_div").style.display = "none";
    }
}
//-->
</SCRIPT>
</HEAD>
<BODY
    STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
사용자가 만든 선택트 박스를 보여 줍니다.<BR><BR>
<SCRIPT>
//insert_select(저장변수명,가로,폰트크기,보드색,배경색,선택색,화살표이미지);
insert_select("select1","160","10","CCCCC","FFFFFF","FFCC00","images/7-07.gif");

//insert_select_option(저장변수명,폰트크기,보드색,배경색,선택색,value,view_value,초기선택여부:(Y
선택);
insert_select_option("select1","10","FFCC00","FFFFFF","FFCC00","http://www.naver.com","네이
버");
insert_select_option("select1","10","FFCC00","FFFFFF","FFCC00","http://kr.yahoo.com","야후
","Y");
insert_select_option("select1","10","FFCC00","FFFFFF","FFCC00","http://www.daum.net","다음");
</SCRIPT>
</DIV>

```

```
</BODY>
</HTML>
```

[실행결과]

사용자가 만든 선택트 박스를 보여 줍니다.

마후

네이버
마후
다음

▶ 예제12

```
<HTML>
<HEAD>
<TITLE>12.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function round(elm, bgcolor, border, mode){
    var top = document.createElement('div'); top.style.cssText = 'height:5px';
    var bottom = document.createElement('div');bottom.style.cssText = 'height:5px';
    var temp = document.createElement('div'); temp.setAttribute('id', 'template');
    var border2 = (border) ? ";border-left:2px solid "+border+";border-right:2px solid
"+border : "";
    var border1 = (border) ? ";border-left:1px solid "+border+";border-right:1px solid
"+border : "";
    var bgcolor2 = (bgcolor) ? ";background:"+bgcolor : "";
    var bgcolor1 = (border) ? ";background:" + border : (bgcolor) ? ";background:" +
bgcolor : "";

    var top_r = new Array(), bottom_r =new Array();
    var box = elm.cloneNode(true);
    for (i=1; i < 5 ;i++ )
        top_r[i] = document.createElement('div');

    top_r[1].style.cssText = 'overflow:hidden;margin:0px 5px;height:1px' + bgcolor1;
    top_r[2].style.cssText = 'overflow:hidden;margin:0px 3px;height:1px' + border2 +
bgcolor2;
    top_r[3].style.cssText = 'overflow:hidden;margin:0px 2px;height:1px' + border1 +
bgcolor2;
    top_r[4].style.cssText = 'overflow:hidden;margin:0px 1px;height:2px' + border1 +
bgcolor2;

    for (i=1; i < 5 ;i++ ){
        if (mode!='bottom')
            top.appendChild(top_r[i]);temp.appendChild(top);
        bottom_r[i] = top_r[i].cloneNode(true);
    }

    temp.appendChild(box);
    box.style.cssText = border1 + bgcolor2;
    var clear = document.createElement('div');clear.style.cssText = 'clear:both';
    temp.appendChild(clear);
    temp.appendChild(bottom);
}
```

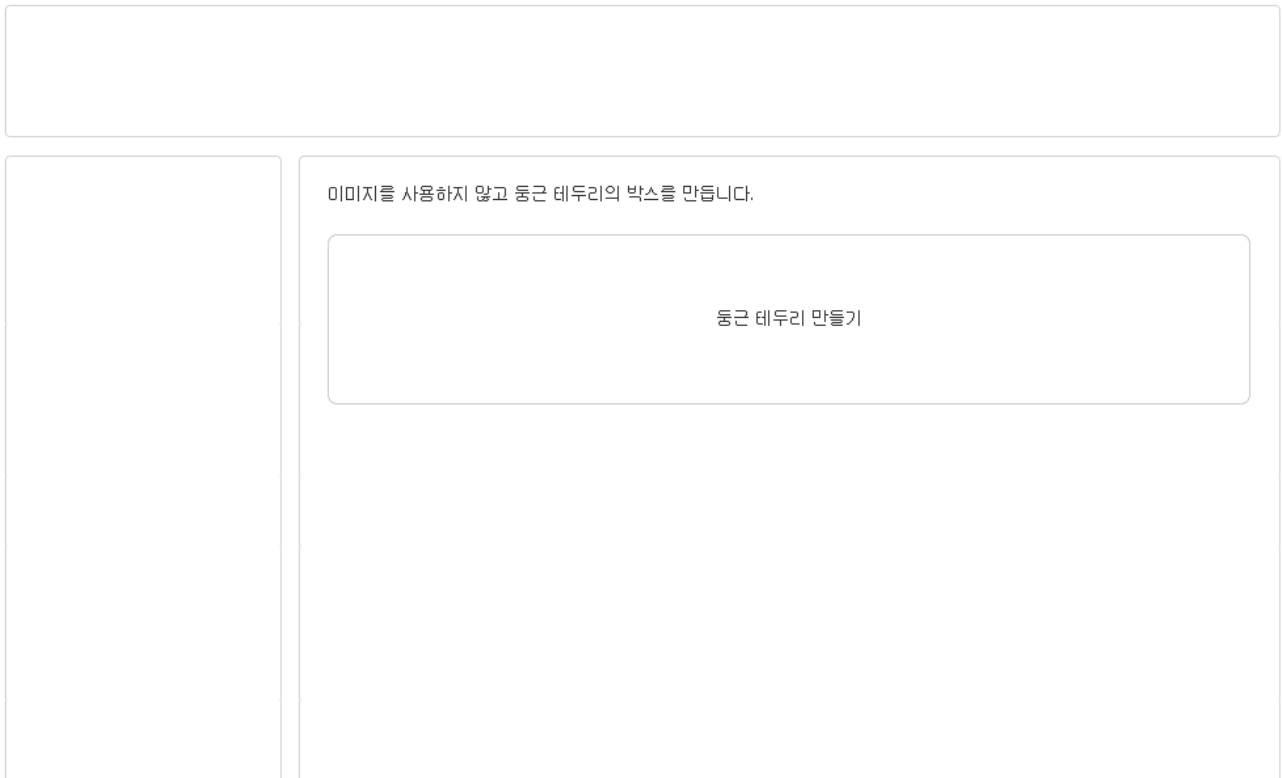
```

        if (mode!='top'){
            for (i=4; i > 0 ;i-- )
                bottom.appendChild(bottom_r[i]);
        }
        elm.parentNode.replaceChild(temp, elm);
    }

function init(){
    round(document.getElementById('test'), "#FFFFFF", "#CCCCCC");
}
//-->
</SCRIPT>
<style>
    #test {padding:50px; height:100px; text-align:center}
</style>
</HEAD>
<BODY
                                                    OnLoad="init()"
STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
이미지를 사용하지 않고 둥근 테두리의 박스를 만듭니다.<BR><BR>
<DIV ID='test'>둥근 테두리 만들기</DIV>
</DIV>
</BODY>
</HTML>

```

[실행결과]



▶ 예제 13

```
<HTML>
<HEAD>
<TITLE>13.html</TITLE>
<link rel="stylesheet" type="text/css" href="common.css">
<SCRIPT LANGUAGE="JavaScript">
<!--
function balloonHint(Id){
    balloonHint.layerId = Id;

    document.addEventListener('mouseover', balloonHint.Show, false);
    document.addEventListener('mouseout', balloonHint.Hide, false);
}
balloonHint.layerId = null;
balloonHint.Show = function (evt){
    if (typeof evt == "undefined" || typeof evt.target == "undefined") {
        (evt=event).target = event.srcElement;
    }

    var hint = evt.target.getAttribute("hint");
    if (hint == null || hint.length == 0) return;
    if (balloonHint.layer == null) balloonHint.makeLayer();

    with (balloonHint.layer){
        innerHTML = sourceHTML.replace("{hint}", hint);
        show(evt.clientX, evt.clientY);
    }
}

balloonHint.Hide = function (evt){
    if (typeof evt == "undefined" || typeof evt.target == "undefined"){
        (evt=event).target = event.srcElement;
    }

    var hint = evt.target.getAttribute("hint");
    if (hint == null || hint.length == 0) return;

    balloonHint.layer.hide();
}

balloonHint.makeLayer = function(){
    if (typeof document.body == "undefined"){
        document.body = document.getElementsByTagName("BODY")[0];
    }
}
```

```

    balloonHint.layer = document.getElementById(balloonHint.layerId);
    balloonHint.layer.sourceHTML = balloonHint.layer.innerHTML;
    balloonHint.layer.style.position = "absolute";

    if (typeof window.createPopup == "undefined"){
        balloonHint.layer.show = function(x, y){
            balloonHint.layer.style.display = "block";
            balloonHint.layer.style.left = (x+ document.body.scrollLeft+ 1) + "px";
            balloonHint.layer.style.top = (y+ document.body.scrollTop+ 1) + "px";
        }
        balloonHint.layer.hide = function(){
            balloonHint.layer.style.display = "none";
        }
    }else{
        balloonHint.layer.popup = window.createPopup();
        balloonHint.layer.show = function(x, y){
            with (balloonHint.layer) {
                style.display = "block";
                var w = offsetWidth, h = offsetHeight - 10;
                style.display = "none";
                popup.document.body.innerHTML = innerHTML;
                popup.show(x, y, w, h, document.body);
            }
        }
        balloonHint.layer.hide = function(){
            balloonHint.layer.popup.hide();
        }
    }
}

if (typeof document.addEventListener == "undefined"){
    if (typeof document.attachEvent != "undefined"){
        document.addEventListener = function (eventType, listener){
            document.attachEvent("on"+ eventType, listener);
        }
        document.removeEventListener = function (eventType, listener){
            document.detachEvent("on"+ eventType, listener);
        }
    }
}
//-->
</SCRIPT>
</HEAD>

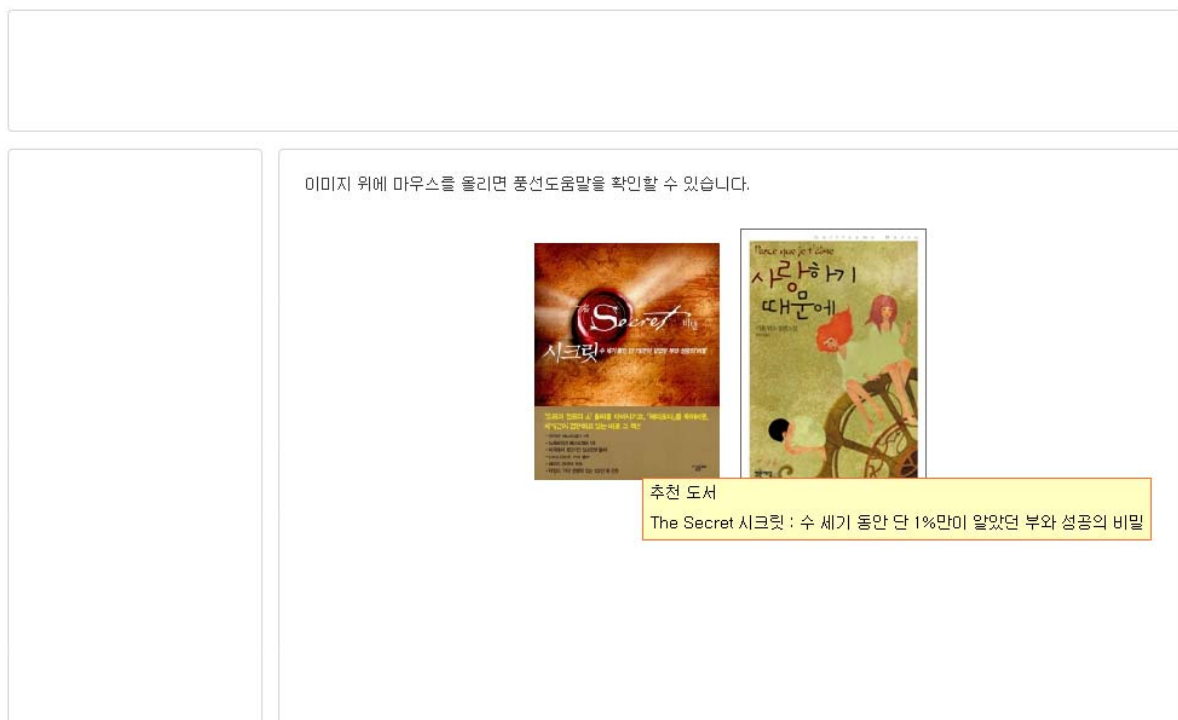
```

```

<BODY OnLoad="balloonHint('balloonHint')"
  STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
이미지 위에 마우스를 올리면 풍선도움말을 확인할 수 있습니다.<BR><BR>
<DIV ID="balloonHint" STYLE="display:none">
<TABLE BORDER="0" CELLPACING="0" CELLPADDING="5" BGCOLOR="#FFFFC1"
STYLE="border:1px solid #FF6633">
<TR>
  <TD><FONT SIZE="2">추천 도서</FONT></TD>
</TR>
<TR>
  <TD><FONT SIZE="2">{{hint}}</FONT></TD>
</TR>
</TABLE>
</DIV>
<TABLE ALIGN="center" CELLPADDING="5" CELLPACING="1">
<TR BGCOLOR="white">
  <TD><IMG SRC="images/7-10_1.jpg" WIDTH="154" BORDER="0" ALT=""
ALIGN="left" hint="The Secret 시크릿 : 수 세기 동안 단 1%만이 알았던 부와 성공의 비밀
"></TD>
  <TD><IMG SRC="images/7-10_2.jpg" WIDTH="154" BORDER="0" ALT=""
ALIGN="left" hint="사랑하기 때문에"></TD>
</TR>
</TABLE>
</DIV>
</HTML>

```

[실행결과]



▶ 예제14

```
<HTML>
<HEAD>
<TITLE>7-14.html</TITLE>
<SCRIPT LANGUAGE="JavaScript">
<!--
var WebClock = function(){
    this.drawTarget = "webClock";

    //설정 시작
    this.color = "#fff"; //글자색
    this.backgroundColor = "#000"; //배경색
    this.align = "center"; //정렬(left, center, right)
    this.fontType = "Century Gothic"; //글꼴
    this.fontSize = 45; //시계 글꼴크기(참고: am,pm은 이 사이즈의 1/2)

    this.clockBarHeight = 2; //초부분의 BAR 두께
    this.clockBarColor = "#ccc"; //초부분 색상

    this.calendarFontSize = 15; //달력부분 글꼴크기
    //설정 끝
    this.strMonth = ["January",
                     "February",
                     "March",
                     "April",
                     "May",
                     "June",
                     "July",
                     "August",
                     "September",
                     "October",
                     "November",
                     "December"];

    this.strWeek = ["Sun",
                    "Mon",
                    "Tue",
                    "Wed",
                    "Thu",
                    "Fri",
                    "Sat"];

    this.start = function(){
        var now = new Date();
        var year = now.getFullYear();
```



```

        var month = now.getMonth();
        var day = now.getDate();
        var hours = now.getHours();
        var minutes = now.getMinutes();
        var seconds = now.getSeconds();
        var clockBarWidth = 4 * seconds;
        var strAmPm = hours < 12 ? "AM" : "PM";

        hours = hours > 12 ? hours - 12 : hours;
        hours = hours == 0 ? hours + 12 : hours;
        hours = hours < 10 ? "0" + hours : hours;
        minutes = minutes < 10 ? "0" + minutes : minutes;
        seconds = seconds < 10 ? "0" + seconds : seconds;

        this.layerCalendar.innerHTML = year + " " + this.strMonth[month] + " " +
day + " " + this.strWeek[now.getDay()];
        this.layerTime.innerHTML = hours + ":" + minutes + ":" + seconds;
        this.layerAmPm.innerHTML = strAmPm;

        this.layerClockBar.style.width = clockBarWidth + "px";
        setTimeout(function(){oWebClock.start();}, 1000);
    };

    this.init = function(){
        this.layerTime = document.createElement("span");
        this.layerAmPm = document.createElement("span");
        this.layerAmPm.style.fontSize = "0.5em";

        this.layerCalendar = document.createElement("div");
        this.layerCalendar.style.fontWeight = "bold";
        this.layerCalendar.style.fontSize = this.calendarFontSize + "px";

        this.layerClock = document.createElement("div");

        this.layerClockBar = document.createElement("div");
        this.layerClockBar.style.fontSize = this.clockBarHeight + "px";
        this.layerClockBar.style.height = this.clockBarHeight + "px";
        this.layerClockBar.style.background = this.clockBarColor;

        var layerTarget = document.getElementById(this.drawTarget);
        layerTarget.style.color = this.color;
        layerTarget.style.background = this.backgroundColor;
        layerTarget.style.fontFamily = this.fontType;
        layerTarget.style.fontSize = this.fontSize + "px";
    }

```

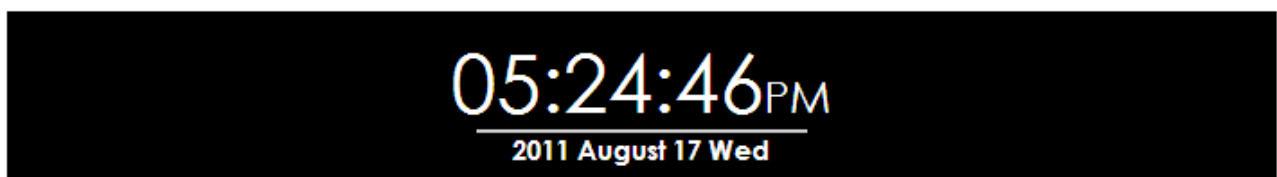
```

        layerTarget.style.padding = "10px";
        layerTarget.align = this.align;
        layerTarget.appendChild(this.layerClock);
        layerTarget.appendChild(this.layerClockBar);
        layerTarget.appendChild(this.layerCalendar);

        this.layerClock.appendChild(this.layerTime);
        this.layerClock.appendChild(this.layerAmPm);
        this.start();
    };
};
var oWebClock = new WebClock();
if(document.all){
    window.attachEvent("onload", function(){oWebClock.init();});
}else{
    window.addEventListener("load", function(){oWebClock.init();}, false);
};
//-->
</SCRIPT>
</HEAD>
<BODY
    STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE="position:absolute;top:150px;left:256px;width:706px;height:440px;">
<DIV ID="webClock"></DIV>
</DIV>
</BODY>
</HTML>

```

[실행결과]



▶ 예제15

```
<HTML>
<HEAD>
<TITLE>7-15.html</TITLE>
<SCRIPT LANGUAGE="JavaScript">
function Twinkle(args){
    if (args.object == ""){
        this.object = document.createElement("DIV");
        this.object.style.backgroundColor = args.color;
    } else {
        this.object = args.object;
    }
    this.left = args.left;
    this.top = args.top;
    this.width = args.width;
    this.height = args.height;
    this.color = args.color;
    this.twinkleTerm = args.twinkleTerm;
    this.setTime = args.setTime;
    this.setTimeout = null;
    this.object.style.position = "absolute";
    this.object.style.left = this.left + "px";
    this.object.style.top = this.top + "px";
    this.object.style.width = this.width + "px";
    this.object.style.height = this.height + "px";
    this.object.style.color = this.color;
    this.object.style.clip = "rect(0 " + this.width + " " + this.height + " 0)";
    this.object.style.filter = "alpha(opacity=0)";
    this.object.style.opacity = 0;
    this.opacity = 0;
    if (this.object.parentNode == null) { document.body.appendChild(this.object); }
    this.rotateBoolean = true;
}
Twinkle.prototype.Run = function () {
    var This = this;
    if (this.opacity >= 100) { this.rotateBoolean = false; }
    else if (this.opacity <= 0) { this.rotateBoolean = true; }
    if (this.rotateBoolean == true) { this.opacity += this.twinkleTerm; } else {
this.opacity -= this.twinkleTerm; }
    this.object.style.filter = "alpha(opacity=" + this.opacity + ")";
    this.object.style.opacity = this.opacity / 100;
    window.clearTimeout(this.setTimeout);
    this.setTimeout = window.setTimeout(function () { This.Run(); },this.setTime);
}
```

```
function $(str) { return document.getElementById(str); }
```

```
var myTwinkle1 = null;
var myTwinkle2 = null;
var myTwinkle3 = null;
var myTwinkleProgress1 = null;
var myTwinkleProgress2 = null;
var myTwinkleProgress3 = null;
var myTwinkleProgress4 = null;
var myTwinkleProgress5 = null;
window.onload = function () {
    myTwinkle1 = new Twinkle({
        object : "",
        left : 300,
        top : 170,
        width : 10,
        height : 10,
        color : "#FA8406",
        twinkleTerm : 10,
        setTime : 66
    });
    myTwinkle2 = new Twinkle({
        object : "",
        left : 310,
        top : 170,
        width : 10,
        height : 10,
        color : "#FAAC06",
        twinkleTerm : 10,
        setTime : 44
    });
    myTwinkle3 = new Twinkle({
        object : "",
        left : 320,
        top : 170,
        width : 10,
        height : 10,
        color : "#FAE006",
        twinkleTerm : 10,
        setTime : 22
    });
    myTwinkle1.Run();
    myTwinkle2.Run();
    myTwinkle3.Run();
}
```

```

myTwinkleProgress1 = new
Twinkle({object:"",left:300,top:190,width:10,height:10,color:"#FA8406",twinkleTerm:10,setName:
50});
myTwinkleProgress2 = new
Twinkle({object:"",left:320,top:190,width:10,height:10,color:"#FAAC06",twinkleTerm:10,setName:
50});
myTwinkleProgress3 = new
Twinkle({object:"",left:340,top:190,width:10,height:10,color:"#FAE006",twinkleTerm:10,setName:
50});
myTwinkleProgress4 = new
Twinkle({object:"",left:360,top:190,width:10,height:10,color:"#FBF076",twinkleTerm:10,setName:
50});
myTwinkleProgress5 = new
Twinkle({object:"",left:380,top:190,width:10,height:10,color:"#DAE876",twinkleTerm:10,setName:
50});

window.setTimeout(function () { myTwinkleProgress1.Run(); },5000);
window.setTimeout(function () { myTwinkleProgress2.Run(); },4000);
window.setTimeout(function () { myTwinkleProgress3.Run(); },3000);
window.setTimeout(function () { myTwinkleProgress4.Run(); },2000);
window.setTimeout(function () { myTwinkleProgress5.Run(); },1000);

new Twinkle({
  object : function () {
    var returns = document.createElement("SPAN");
    returns.style.fontSize = "16px";
    returns.innerHTML = "+ ";
    document.body.appendChild(returns);
    return returns;
  }(),
  left : 300,
  top : 210,
  width : 16,
  height : 16,
  color : "#FFFFFF",
  twinkleTerm : 10,
  setName : 70
}).Run();

new Twinkle({
  object : $("text1"),      left : 46,      top : 100,
  width : $("text1").offsetWidth,      height : $("text1").offsetHeight,
  color : $("text1").style.color,      twinkleTerm : 10,      setName : 50
}).Run();
}

```

```
//-->
</SCRIPT>
</HEAD>
<BODY
  STYLE="background-image:URL(images/background1.gif);background-repeat:no-repeat">
<DIV STYLE=
"position:absolute;top:150px;left:256px;width:706px;height:440px;background-color:#000000">
<INPUT TYPE="text" id="text1" value="Input Box Text">
</DIV>
</BODY>
</HTML>
```

[실행결과]

