```
 1  /* css/common.css */
 2
 3  div {
 4      width: 100px;
 5      height: 50px;
 6      border: 1px solid;
 7      margin: 20px;
 8      line-height: 50px;
 9      text-align: center;
10      cursor: pointer;
11  }
12
```

```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>01_이벤트연결-1</title>
 7    <link rel="stylesheet" href="css/common.css">
 8    <script>
 9      function view () {
10        alert('view ()를 클릭했습니다.');
11      }
12    </script>
13  </head>
14  <body>
15    <div onclick="javascript:view()">클릭1</div>
16    <div onclick="alert('클릭했습니다.')">클릭2</div>
17  </body>
18  </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>01_이벤트연결-2</title>
7    <link rel="stylesheet" href="css/common.css">
8  </head>
9  <body>
10   <div id="btn">클릭</div>
11
12   <script>
13     var bt = document.getElementById('btn');
14     bt.onclick = function () {
15       alert('버튼을 클릭했습니다.');
16     }
17   </script>
18 </body>
19 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>01_이벤트연결-3</title>
7    <link rel="stylesheet" href="css/common.css">
8
9    <script>
10     window.onload = function () {
11       var bt = document.getElementById('btn');
12       bt.onclick = function () {
13         alert('버튼을 클릭했습니다.');
14       }
15     }
16   </script>
17
18 </head>
19 <body>
20   <div id="btn">클릭</div>
21 </body>
22 </html>
```

```html
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>01_이벤트연결-4</title>
 7    <link rel="stylesheet" href="css/common.css">
 8
 9    <script>
10      window.onload = function () {
11        var bt = document.querySelector('#btn');
12
13        function view () {
14          alert('버튼을 클릭했습니다.');
15        }
16
17        bt.onclick = function () {
18          view();
19        }
20      }
21    </script>
22
23  </head>
24  <body>
25    <div id="btn">클릭</div>
26  </body>
27  </html>
```

```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>01_이벤트연결-5</title>
 7    <link rel="stylesheet" href="css/common.css">
 8
 9    <script>
10      window.onload = function () {
11        var bt = document.querySelector('#btn');
12
13        function view () {
14          alert('버튼을 클릭했습니다.');
15        }
16
17        bt.onclick = view;
18      }
19    </script>
20
21  </head>
22  <body>
23    <div id="btn">클릭</div>
24  </body>
25  </html>
```

```
1  /* js/02-1.js */
2
3  function loadEnd1 () { alert('loadEnd1() 실행'); }
4
5  window.onload = loadEnd1;
6
```

```
1  /* js/02-2.js */
2
3  function loadEnd2 () { alert('loadEnd2() 실행'); }
4
5  window.onload = loadEnd2;
```

```
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>02_고전이벤트문제-1</title>
7    <script>
8      function loadEnd1 () { alert('loadEnd1() 실행'); }
9      function loadEnd2 () { alert('loadEnd2() 실행'); }
10
11     window.onload = loadEnd1;//x
12     window.onload = loadEnd2;
13   </script>
14 </head>
15 <body>
16   <p>※ 함수 loadEnd1 ()은 실행되지 않음!</p>
17 </body>
18 </html>
```

```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>02_고전이벤트문제-2</title>
 7    <script src="js/02-1.js"></script>
 8    <script src="js/02-2.js"></script>
 9  </head>
10  <body>
11    <p>※ '02-1.js'는 실행되지 않음!</p>
12  </body>
13  </html>
```

```
1   /* js/03-1.js */
2
3   function loadEnd1 () { alert('loadEnd1() 실행'); }
4
5   // window.onload = loadEnd1;
6   window.addEventListener( 'load', loadEnd1 );
```

```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>03_이벤트리스너</title>
 7    <script src="js/03-1.js"></script>
 8    <script src="js/03-2.js"></script>
 9  </head>
10  <body>
11    <p>※ 이벤트리스너를 이용하면 모두 실행 가능!</p>
12  </body>
13  </html>
```

```js
 1  /* js/03-2.js */
 2
 3  function loadEnd2 () { alert('loadEnd2() 실행'); }
 4
 5  // window.onload = loadEnd2;
 6
 7  // 방법1 : 모던 브라우저
 8  // window.addEventListener( 'load', loadEnd2 );
 9
10  // 방법2 : 구형 IE 대응 -> 조건문 이용
11  if ( window.attachEvent ) {
12    window.attachEvent( 'onload', loadEnd2 );
13  } else {
14    window.addEventListener( 'load', loadEnd2 );
15  }
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>04_이벤트객체-1</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10
11       var bt = document.querySelector('#btn');
12       bt.onclick = function () {
13         var str = 'target : ' + event.target + '\n';
14             str += 'type : ' + event.type + '\n';
15             str += 'clientX : ' + event.clientX + '\n';
16             str += 'clientY : ' + event.clientY + '\n';
17             str += 'screenX : ' + event.screenX + '\n';
18             str += 'screenY : ' + event.screenY + '\n';
19             str += 'Mouse Button : ' + event.button;
20         alert( str );
21       }
22
23       var txt = document.getElementById('txt');
24       txt.onkeydown = function ( event ) {
25         if ( event.keyCode == 9 ) {
26           alert('TAB 키를 눌렀습니다.');
27         }
28       }
29
30     }
31   </script>
32 </head>
33 <body>
34   <div id="btn">클릭</div>
35   <input type="text" id="txt" placeholder="TAB키를 눌러보세요">
36 </body>
37 </html>
```

```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3  <head>
 4    <meta charset="UTF-8">
 5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6    <title>04_이벤트객체-2</title>
 7    <link rel="stylesheet" href="css/common.css">
 8    <script>
 9      window.onload = function () {
10
11        var btn = document.querySelector('#btn');
12
13        btn.onclick = function ( e ) {
14          // window.event : 구 IE
15          var eve = e ¦¦ window.event;
16          document.body.innerHTML = '<h3>이벤트 객체 모두 보기</h3><hr>';
17
18          // 이벤트(e) 객체의 모든 요소를 화면에 출력
19          for ( var key in eve ) {
20            document.body.innerHTML += '<p>■ ' + key + ' : ' + eve[key];
21          }
22
23        }
24
25      }
26    </script>
27  </head>
28  <body>
29    <input type="button" id="btn" value="이벤트 객체 모두 보기">
30  </body>
31  </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>05_이벤트실행방지</title>
7    <script>
8      window.onload = function () {
9        var a = document.querySelector('a');
10       a.onclick = function (e) {
11         alert('하이퍼링크 클릭!');
12
13         // 하이퍼링크 경로로 자동 링크되는 것을 방지
14         e.preventDefault();// 모던 브라우저
15
16         // 구 IE 호환
17         // if ( window.event ) {
18         //   window.event.returnValue = false;
19         // } else {
20         //   e.preventDefault();
21         // }
22       }
23     }
24   </script>
25 </head>
26 <body>
27   <a href="http://naver.com" target="new">하이퍼링크</a>
28 </body>
29 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>06_이벤트버블링방지</title>
7    <script>
8      window.onload = function () {
9        var a = document.querySelector('#a');
10       var b = document.querySelector('#b');
11
12       a.onclick = function () {
13         alert('부모 요소 DIV를 클릭했습니다.');
14       }
15       b.onclick = function (e) {
16         alert('자식 요소 P를 클릭했습니다.');
17
18         e.stopPropagation(); //이벤트 버블링 방지
19
20         // 구 IE 호환
21         // if ( window.event ) {
22         //   window.event.cancelBubble = true;
23         // } else {
24         //   e.stopPropagation();
25         // }
26       }
27     }
28   </script>
29 </head>
30 <body>
31   <div id="a">
32     a 클릭
33     <p id="b">b 클릭</p>
34   </div>
35   <style>
36     #a { background-color: crimson; padding: 20px; }
37     #b { background-color: orange; padding: 20px; }
38   </style>
39 </body>
40 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>07_이벤트강제실행-1</title>
7    <script>
8      window.onload = function () {
9        var bt = document.querySelector('bt');
10       bt.click = function () {
11         alert('클릭 이벤트가 실행되었습니다.');
12       }
13       bt.click();
14     }
15   </script>
16 </head>
17 <body>
18   <div id="bt"></div>
19 </body>
20 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>07_이벤트강제실행-2</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var bt = document.querySelector('#btn');
11       var con = document.querySelector('#content');
12       var check = false;
13
14       bt.onclick = function () {
15         if ( !check ) {
16           con.style.display = 'none';
17           check = true;
18         } else {
19           con.style.display = 'block';
20           check = false;
21         }
22       }
23       bt.onclick();
24     }
25   </script>
26 </head>
27 <body>
28   <div id="btn">클릭</div>
29   <p id="content">내용</p>
30
31   <style>
32     p { height: 300px; background-color: gold; }
33   </style>
34 </body>
35 </html>
```

```
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>08_this</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var bt = document.querySelector('#bt');
11       var check = false;
12
13       bt.onclick = function () {
14         if ( !check ) {
15           this.style.background = 'gold';
16           check = true;
17         } else {
18           this.style.background = 'skyblue';
19           check = false;
20         }
21       }
22     }
23   </script>
24 </head>
25 <body>
26   <div id="bt">계속 클릭</div>
27 </body>
28 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>09_활용-1-닫기버튼</title>
7    <link rel="stylesheet" href="http://wooreeweb.com/cst/bnr.css">
8    <script>
9      window.onload = function () {
10       var banner = document.querySelector('#bnrWrap');
11       var close = document.querySelector('#close');
12       var check = false;
13
14       close.onclick = function () {
15         if ( !check ) {
16           banner.style.visibility = 'visible';
17           check = true;
18         } else {
19           banner.style.visibility = 'hidden';
20           check = false;
21         }
22       }
23       close.onclick();
24     }
25   </script>
26 </head>
27 <body>
28   <div id="bnrWrap">
29     <div id="topBnr">
30       <img src="http://wooreeweb.com/img/tb.jpg" alt="">
31       <i id="close" class="fa fa-close fa-3x"></i>
32     </div>
33   </div>
34 </body>
35 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>09_활용-2-배경색변경-1</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var body = document.querySelector('body');
11       var btn = document.querySelectorAll('div');
12
13       // btn 객체 반복
14       for ( var i in btn ) {
15         btn[i].onclick = function () {
16           var bg = this.getAttribute('title');
17           body.style.backgroundColor = bg;
18           body.style.textShadow = '1px 0px 1px #eee';
19           body.style.transition = 'all 0.6s';
20         }
21       }
22     }
23   </script>
24 </head>
25 <body>
26   <h3>배경색 바꾸기 : 기본형</h3>
27   <div title="red">red</div>
28   <div title="green">green</div>
29   <div title="blue">blue</div>
30 </body>
31 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>09_활용-2-배경색변경-2</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var body = document.querySelector('body');
11       var btn = document.querySelectorAll('div');
12
13       // title 속성값을 btn 컨텐츠로 지정
14       for ( var i = 0; i < btn.length; i++ ) {
15         var colorText = btn[i].getAttribute('title');
16         btn[i].textContent = colorText;
17       }
18
19       // btn 객체 반복
20       for ( var i in btn ) {
21         btn[i].onclick = function () {
22           var bg = this.getAttribute('title');
23           body.style.backgroundColor = bg;
24           body.style.textShadow = '1px 0px 1px #eee';
25           body.style.transition = 'all 0.6s';
26         }
27       }
28     }
29   </script>
30 </head>
31 <body>
32   <h3>배경색 바꾸기 : 컨텐츠 자동 삽입</h3>
33   <div title="red"></div>
34   <div title="green"></div>
35   <div title="blue"></div>
36 </body>
37 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>09_활용-2-배경색변경-3</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var body = document.querySelector('body');
11       var btn = document.querySelectorAll('div');
12
13       // title 속성값을 btn 컨텐츠로 지정
14       for ( var i = 0; i < btn.length; i++ ) {
15         var colorText = btn[i].getAttribute('title');
16         btn[i].textContent = colorText;
17       }
18
19       // btn 객체 반복
20       for ( var i in btn ) {
21
22         btn[i].onclick = function () {
23           var bg = this.getAttribute('title');
24
25           // title 값이 random 이면
26           if ( bg === 'random' ) {
27             var r = Math.floor( Math.random() * 256 );//red
28             var g = Math.floor( Math.random() * 256 );//green
29             var b = Math.floor( Math.random() * 256 );//blue
30             body.style.backgroundColor = 'rgb(' + r + ',' + g + ',' + b + ')';
31           } else {
32             body.style.backgroundColor = bg;
33           }
34           body.style.textShadow = '1px 0px 1px #eee';
35           body.style.transition = 'all 0.6s';
36         }
37       }
38     }
39   </script>
40 </head>
41 <body>
42   <h3>배경색 바꾸기 : 랜덤 색상</h3>
43   <div title="red"></div>
44   <div title="green"></div>
45   <div title="blue"></div>
46   <div title="random"></div>
47 </body>
48 </html>
```

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>09_활용-2-배경색변경-4</title>
7    <link rel="stylesheet" href="css/common.css">
8    <script>
9      window.onload = function () {
10       var body = document.querySelector('body');
11       var btn = document.querySelectorAll('div');
12
13       // title 속성값을 btn 컨텐츠로 지정
14       for ( var i = 0; i < btn.length; i++ ) {
15         var colorText = btn[i].getAttribute('title');
16         btn[i].textContent = colorText;
17       }
18
19       // btn 객체 반복
20       for ( var i in btn ) {
21
22         btn[i].onclick = function () {
23           var bg = this.getAttribute('title');
24
25           // title 값이 random 이면
26           if ( bg === 'random' ) {
27             var r = Math.floor( Math.random() * 256 );//red
28             var g = Math.floor( Math.random() * 256 );//greed
29             var b = Math.floor( Math.random() * 256 );//blue
30             var a = Math.random();//alpha
31             body.style.backgroundColor = 'rgba(' + r + ',' + g + ',' + b + ',' + a + ')';
32           } else {
33             body.style.backgroundColor = bg;
34           }
35           body.style.textShadow = '1px 0px 1px #eee';
36           body.style.transition = 'all 0.6s';
37         }
38       }
39     }
40   </script>
41 </head>
42 <body>
43   <h3>배경색 바꾸기 : 랜덤 색상+투명도</h3>
44   <div title="red"></div>
45   <div title="green"></div>
46   <div title="blue"></div>
47   <div title="random"></div>
48 </body>
49 </html>
```