

hello.html (Page 1 of 1)

```
1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- hello.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Hello World</title>
11:   </head>
12:
13:   <body>
14:
15:     <p>Hello <strong>COS 333</strong>, and welcome!</p>
16:
17:     <script>
18:       'use strict';
19:       console.log('hello, console');
20:     </script>
21:
22:   </body>
23:
24: </html>
```

helloerror.html (Page 1 of 1)

```
1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- helloerror.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Hello Error</title>
11:   </head>
12:
13:   <body>
14:
15:     <p>Hello <strong>COS 333</strong>, and welcome!</p>
16:
17:     <script>
18:       'use strict';
19:       // Unterminated string literal on next line.
20:       console.log('hello, console');
21:     </script>
22:
23:   </body>
24:
25: </html>
26:
```

changedom1.html (Page 1 of 1)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- changedom1.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Change DOM (Version 1)</title>
11:   </head>
12:
13:   <body>
14:     <p>Hello <strong>someclass</strong>, and welcome!</p>
15:   </body>
16:
17: </html>

```

changedom2.html (Page 1 of 1)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- changedom2.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Change DOM (Version 2)</title>
11:   </head>
12:
13:   <body>
14:     <p>Hello <strong>someclass</strong>, and welcome!</p>
15:
16:     <script>
17:       'use strict';
18:       function writeDomTree(node, indent) {
19:         console.log(indent + node + ': ' + node.nodeName);
20:         for (let child of node.childNodes)
21:           writeDomTree(child, indent + ' ');
22:       }
23:       writeDomTree(document, '');
24:     </script>
25:   </body>
26:
27: </html>

```

changedom3.html (Page 1 of 1)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- changedom3.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Change DOM (Version 3)</title>
11:   </head>
12:
13:   <body>
14:     <p>Hello <strong>someclass</strong>, and welcome!</p>
15:
16:     <script>
17:       'use strict';
18:
19:       function changeName() {
20:         let htmlNode = document.childNodes[5];
21:         let bodyNode = htmlNode.childNodes[2];
22:         let pNode = bodyNode.childNodes[1];
23:         let strongNode = pNode.childNodes[1];
24:         strongNode.innerHTML = 'COS 333';
25:
26:         // Or more succinctly:
27:         // document.childNodes[5].childNodes[2].childNodes[1].
28:         //   childNodes[1].innerHTML = 'COS 333';
29:       }
30:
31:       window.setTimeout(changeName, 3000);
32:     </script>
33:   </body>
34:
35: </html>

```

changedom4.html (Page 1 of 1)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- changedom4.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:
9:   <head>
10:     <title>Change DOM (Version 4)</title>
11:   </head>
12:
13:   <body>
14:
15:     <p>Hello <strong id="myStrong">someclass</strong>,
16:     and welcome!</p>
17:
18:     <script>
19:       'use strict';
20:
21:       function changeName() {
22:         // Access an element by element id:
23:         let strongNode = document.getElementById('myStrong');
24:         strongNode.innerHTML = 'COS 333';
25:       }
26:
27:       window.setTimeout(changeName, 3000);
28:     </script>
29:
30:   </body>
31:
32: </html>

```

events1.html (Page 1 of 1)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- events1.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:   <head>
9:     <title>JavaScript Events</title>
10:   </head>
11:
12:   <body>
13:     <hr>
14:     <input
15:       type="text"
16:       value="Type something here"
17:
18:       onmouseover="notify('mouseover')"
19:       onmouseout="notify('mouseout')"
20:
21:       onfocus="notify('focus')"
22:       onblur="notify('blur')"
23:
24:       onmousedown="notify('mousedown')"
25:       onmouseup="notify('mouseup')"
26:       onclick="notify('click')"
27:       ondblclick="notify('dblclick')"
28:       onselect="notify('select')"
29:
30:       onkeydown="notify('keydown')"
31:       onkeypress="notify('keypress')"
32:       onkeyup="notify('keyup')">
33:     <hr>
34:     <p id="myNotifyArea"></p>
35:     <hr>
36:
37:     <script>
38:       'use strict';
39:       function notify(eventName) {
40:         let notifyArea = document.getElementById('myNotifyArea');
41:         notifyArea.innerHTML += eventName;
42:         notifyArea.innerHTML += ' ';
43:       }
44:     </script>
45:
46:   </body>
47: </html>

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1: This page is intentionally blank.

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events2.html (Page 1 of 2)

```

1: <!DOCTYPE html>
2: <!-- ===== -->
3: <!-- events2.html -->
4: <!-- Author: Bob Dondero -->
5: <!-- ===== -->
6:
7: <html>
8:   <head>
9:     <title>JavaScript Events</title>
10:   </head>
11:
12:   <body>
13:     <hr>
14:     <input type="text" value="Type something here" id="myInput">
15:     <hr>
16:     <p id="myNotifyArea"></p>
17:     <hr>
18:
19:     <script>
20:
21:       'use strict';
22:
23:       function notify(eventName) {
24:         let notifyArea = document.getElementById('myNotifyArea');
25:         notifyArea.innerHTML += eventName;
26:         notifyArea.innerHTML += ' ';
27:       }
28:
29:       function setup() {
30:         const myInput = document.getElementById('myInput');
31:
32:         myInput.addEventListener('mouseover',
33:           function() {notify('mouseover');}
34:         );
35:         myInput.addEventListener('mouseout',
36:           function() {notify('mouseout');}
37:         );
38:
39:         myInput.addEventListener('focus',
40:           function() {notify('focus');}
41:         );
42:         myInput.addEventListener('blur',
43:           function() {notify('blur');}
44:         );
45:
46:         myInput.addEventListener('mousedown',
47:           function() {notify('mousedown');}
48:         );
49:         myInput.addEventListener('mouseup',
50:           function() {notify('mouseup');}
51:         );
52:         myInput.addEventListener('click',
53:           function() {notify('click');}
54:         );
55:         myInput.addEventListener('dblclick',
56:           function() {notify('dblclick');}
57:         );
58:         myInput.addEventListener('select',
59:           function() {notify('select');}
60:         );
61:
62:         myInput.addEventListener('keydown',
63:           function() {notify('keydown');}
64:         );
65:         myInput.addEventListener('keypress',

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events2.html (Page 2 of 2)

```

66:           function() {notify('keypress');}
67:         );
68:         myInput.addEventListener('keyup',
69:           function() {notify('keyup');}
70:         );
71:       }
72:
73:       document.addEventListener('DOMContentLoaded', setup);
74:
75:     </script>
76:
77:   </body>
78: </html>

```