

C:\Users\Priyanshu\Desktop\My work\6th.html - Notepad++

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6th.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Mouse & Keyboard Events</title>
5 <meta charset="UTF-8">
6 <link rel="stylesheet" href="style.css">
7 <script src="script.js" defer></script>
8 </head>
9 <body>
10 <style>
11 * {
12 box-sizing: border-box;
13 }
14 body {
15 margin: 0;
16 padding: 0;
17 font-family: "Bahnschrift", "sans-serif";
18 }
19 h1 {
20 margin: 0;
21 }
22 .container {
23 text-align: center;
24 max-width: 1000px;
25 margin: 50px auto;
26 border: 10px solid #34495e;
27 }
28 .mouse {
29 margin: 30px auto 50px;
30 }
31 .mouse h1 {
32 margin-bottom: 20px;
33 }
34 .click-box {
35 width: 200px;
36 height: 200px;
37 background-color: #3498db;
38 margin: auto;
39 cursor: pointer;
40 transition: 1s ease-in;
41 }
42 .mouseover {
43 width: 250px;
```

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```
44 height: 250px;
45 transition: 1s ease-in;
46 margin: auto;
47 }
48 input {
49 width: 500px;
50 height: 30px;
51 margin-bottom: 20px;
52 }
53 .keyboard {
54 margin-top: 50px;
55 }
56 .keyboard h1 {
57 margin-bottom: 20px;
58 }
59 .keydown, .keyup {
60 font-size: 1.2rem;
61 margin-bottom: 10px;
62 }</style>
63
64 <div class="container">
65 <!-- Mouse Events -->
66 <div class="mouse">
67 <h1>Click on the box to change its color!</h1>
68 <div tabindex="0" class="click-box"></div>
69 </div>
70 <!-- Keyboard Events -->
71 <div class="keyboard">
72 <h1>Enter anything in the input field!</h1>
73 <form>
74 <input type="text" placeholder="Enter something">
75 </form>
76 <div class="keydown"></div>
77 <div class="keyup"></div>
78 </div>
79 </div>
80 <script>const clickBox = document.querySelector(".click-box");
81 const form = document.querySelector("form");
82 const keyDown = document.querySelector(".keydown");
83 const keyUp = document.querySelector(".keyup");
84 const colors = ["#e74c3c", "#2ecc71", "#f1c40f"];
85 // MOUSE EVENTS
86 // Mouse Event - CLICK
```

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```
79 </div>
80 <script>const clickBox = document.querySelector(".click-box");
81 const form = document.querySelector("form");
82 const keyDown = document.querySelector(".keydown");
83 const keyUp = document.querySelector(".keyup");
84 const colors = ["#e74c3c", "#2ecc71", "#f1c40f"];
85 // MOUSE EVENTS
86 // Mouse Event - CLICK
87 clickBox.addEventListener("click", () => {
88 // Generating random number between 0 and 2
89 const i = Math.floor(Math.random()*3);
90 // Changing the color of box according to the number stored in i variable
91 clickBox.style.backgroundColor = colors[i];
92 });
93 // Mouse Event - BLUR
94 clickBox.addEventListener("blur", () => {
95 // Changing the color of the box as soon as it loses focus
96 clickBox.style.backgroundColor = "#34495e";
97 console.log("BOX lost focus");
98 });
99 // Mouse Event - MOUSEOVER
100 clickBox.addEventListener("mouseover", () => {
101 clickBox.classList.add("mouseover");
102 });
103 // Mouse Event - MOUSEOUT
104 clickBox.addEventListener("mouseout", () => {
105 clickBox.classList.remove("mouseover");
106 });
107 // KEYBOARD EVENTS
108 // Keyboard Event - KEYDOWN
109 form.addEventListener("keydown", e => {
110 const key = e.key;
111 keyDown.innerHTML = `${key} is pressed`;
112 });
113 // Keyboard Event - KEYUP
114 form.addEventListener("keyup", e => {
115 const key = e.key;
116 keyUp.innerHTML = `${key} is released`;
117 });
118 </script>
119 </body>
120 </html>
```

Click on the box to change its color!



Enter anything in the input field!

Enter something

Initial state

Click on the box to change its color!

**1).Move over
When mouse is
pointed on box
the size of box
is increased**



Enter anything in the input field!

Enter something

Click on the box to change its color!

**2).Mouse click
changed color of
the box**



Enter anything in the input field!

Enter something

Click on the box to change its color!

**3).On blur
color of the
box changes to
blue if we click
outside the
box.**



Enter anything in the input field!

Enter something

Click on the box to change its color!

**4).Key down
any key pressed
will be
shown on screen.**



Enter anything in the input field!

"f" is pressed

5).Key up
any key
released
will be
shown on
screen

Click on the box to change its color!



Enter anything in the input field!

"f" is pressed

"f" is released