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| CLASS : BE V [S5] | | SUBJECT : JavaScript | |
| EXPT. NO. : 8 | Roll No.: 42126 | | DATE : |
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| CODE : | | | |
| <!DOCTYPE html>  <html>  <head>  <style>  body {  transition: background-color 0.5s ease;  text-align: center;  font-family: Arial, sans-serif;  margin: 0;  padding: 0;  }  button {  padding: 20px 40px;  font-size: 18px;  background-color: #3498db;  color: #fff;  border: none;  cursor: pointer;  margin-top: 100px;  }  #text-box {  width: 200px;  padding: 10px;  font-size: 16px;  margin: 20px;  }  </style>  </head>  <body>  <button id="hover-button">Hover Over Me</button>  <input type="text" id="text-box" placeholder="Focus Me">  <script>  const button = document.getElementById("hover-button");  const textBox = document.getElementById("text-box");  button.addEventListener("mouseenter", () => {  changeBackgroundColor(getRandomColor());  });  button.addEventListener("mouseleave", () => {  if (!textBox.matches(":focus")) {  changeBackgroundColor("#fff");  }  });  textBox.addEventListener("focus", () => {  changeBackgroundColor(getRandomColor());  });  textBox.addEventListener("blur", () => {  if (!button.matches(":hover")) {  textBox.style.backgroundColor = "transparent"; // Reset the background color  }  });  function changeBackgroundColor(color) {  document.body.style.backgroundColor = color;  }  function getRandomColor() {  const letters = "0123456789ABCDEF";  let color = "#";  for (let i = 0; i < 6; i++) {  color += letters[Math.floor(Math.random() \* 16)];  }  return color;  }  </script>  </body>  </html> | | | |

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| OUTPUT : |
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