Title: Write Java script program to create various event listeners in Javascripts.

Problem description: Create a button in your HTML with the text "Click Me". Add an event listener to log "Button clicked!" to the console when the button is clicked. Select an image and add a mouseover event listener to change its border color. Add an event listener to the document that logs the key pressed by the user.

Method: Add Button, Image to the web page with listener. It is also recommended to use Event object to display the object that generated event using e.target.

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Theory Reference: Module 1
 <!DOCTYPE html>
 <html>
 <head>
   <title>FSD Event Listeners Example</title>
   <style>
     img {
        width: 200px;
        border: 3px solid black;
        margin-top: 10px;
     }
     #output {
        margin-top: 20px;
        font-size: 18px;
        font-weight: bold;
        color: blue;
   </style>
 </head>
 <body>
   <h2>Event Listeners in JavaScript</h2>
   <!-- Button -->
   <button id="myButton">Click Me</button>
   <!-- Image -->
   <br>><br>>
   <img id="myImage" src="images/c2.jpg" alt="Sample Image">
```

```
<!-- Output Paragraph -->
  Event messages will appear here...
  <script>
    // Get output paragraph
    const output = document.getElementById("output");
    // Button Click Event
    document.getElementById("myButton").addEventListener("click", function(e) {
       output.textContent = "Button clicked! Event generated by: " + e.target.tagName;
    });
    // Image Mouseover Event
    document.getElementById("myImage").addEventListener("mouseover", function(e) {
       e.target.style.borderColor = "red";
      output.textContent = "Mouseover on image! Event generated by: " + e.target.tagName;
    });
    // Reset border when mouse leaves image
    document.getElementById("myImage").addEventListener("mouseout", function(e) {
      e.target.style.borderColor = "black";
    });
    // Keydown Event for Document
    document.addEventListener("keydown", function(e) {
      output.textContent = "Key pressed: " + e.key + " | Event generated by: " + e.target.tagName;
    });
  </script>
</body>
</html>
```