

Course
&
Test Series

Introduction to 'JavaScript' Language

JavaScript Functions and Events

Module 7 - On Click Event Type in JavaScript

What Are Events in JavaScript?

In JavaScript, events are actions or occurrences that happen in the browser, which the browser recognizes. Examples include clicking a button, hovering over an element, resizing the window, pressing a key, or submitting a form.

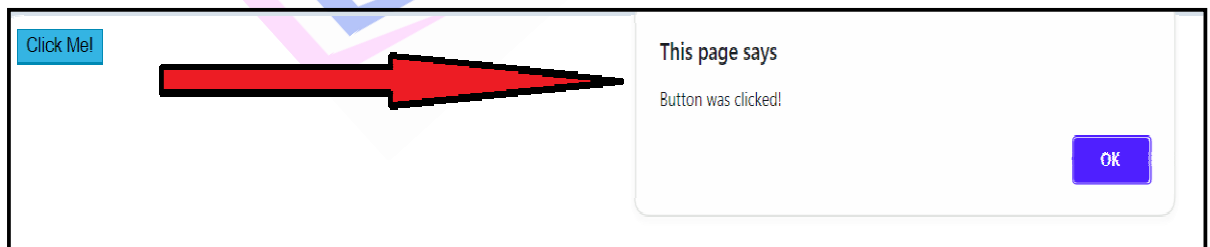
Solved Example 1: Give Alert Message on Button Click

```
<!DOCTYPE html>
<html>
<head>
  <title>Mouse Click Example</title>
</head>
<body>
  <button id="myButton">Click Me!</button>

  <script>
    // Get the button element
    button = document.getElementById('myButton');

    // Add click event listener
    button.addEventListener('click', function() {
      alert('Button was clicked!');
    });
  </script>
</body>
</html>
```

OUTPUT:



-  CBSE
-  ICSE
-  NTSE
-  Banking & Insurance
-  Central Govt. Service
-  State Govt. Services
-  LAW Entrance
-  MBA Entrance
-  Railways & Metro Services
- ...many more

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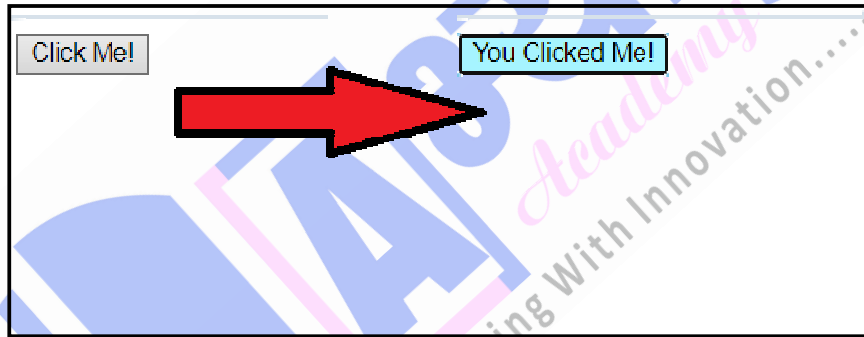
Solved Example 2: Text changes from "Click Me!" to "You Clicked Me!" on the button

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Change Button Text</title>
</head>
<body>
  <button id="myButton">Click Me!</button>

  <script>
    // Get the button element
    button = document.getElementById('myButton');

    // Add click event listener
    button.addEventListener('click', function() {
      button.textContent = 'You Clicked Me!';
    });
  </script>
</body>
</html>
```

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Solved Example 3: Image Size increases on Mouse Click

Ques: Write a program where an image on a webpage changes its height and width when the user clicks on it. Initially, the image should have a height and width of 100px. When clicked, the image should increase its size to 500px by 500px. Use JavaScript to handle the click event on the image and modify its height and width properties.

Solution:

```
<!DOCTYPE html>
<html>
<head>
  <title>Click events</title>
</head>
<body bgcolor="green" text="yellow">
  <h4 align="center">Please Click the mouse on Image</h4>
  <blockquote>The height & width of Image will get increased</blockquote>
  <!-- Image element with an onclick event to call the ff() function -->
  

  <script>
    // JavaScript function to change the height and width of the image
    function ff() {
      // Access the image by its ID and change its size
      var img = document.getElementById("img1");
      img.width = 500;
      img.height = 500;
    }
  </script>
</body>
</html>
```

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Please Click the mouse on Image

The height & width of Image will get increased



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Assignment

Ques 1: Write a program where an alert message is shown when the user clicks on a button. The message should say "Button clicked!" when the user clicks the button.

Ques 2: Create a webpage with a button that initially displays the text "Click Me and see the result". When the button is clicked, change the button's text to "You Clicked Me Hello!" using JavaScript.

Ques 3: Write a program where the size of an image increases when the user clicks on it. Initially, the image should have a height and width of 100px. Upon a click, the image's height and width should double.