

Event Prevent Default and Stop propagation in jQuery

jQuery preventDefault()

The preventDefault() method cancels the event if it is cancelable, meaning that the default action that belongs to the event will not occur.

For example, this can be useful when:

- Clicking on a "Submit" button, prevent it from submitting a form
- Clicking on a link, prevent the link from following the URL

Example

Prevent a link from opening the URL:

```
document.getElementById("myAnchor").addEventListener("click",  
function(event){  
    event.preventDefault()  
});
```

stopPropagation()

The stopPropagation() method prevents propagation of the same event from being called.

Propagation means bubbling up to parent elements *or* capturing down to child elements.

Example

Prevent any propagation of the same event:

```
function func1(event) {  
    alert("DIV 1");
```

```
event.stopPropagation();  
}
```

Source Code:

```
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
  <meta charset="UTF-8">  
  <meta http-equiv="X-UA-Compatible" content="IE=edge">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Event Prevent Default Property in jQuery</title>  
  <style>  
    .box {  
      width: 300px;  
      height: 300px;  
    }  
  
    #test1 {  
      background-color: aqua;  
      border: 2px solid black;  
      overflow: auto;  
      padding: 10px 10px;  
      position: relative;  
    }  
  
  </style>  
  <script src="jquery-3.7.1.min.js"></script>  
</head>  
  
<body>  
  
  <h1> Event Prevent Default Property in jQuery</h1>  
  <div class="box" id="test1">  
    <h1>Box Dev</h1>  
    <a href="google.com" id="result">Google.com (Prevent Defualt Link)</a>
```

```
<br>
<a href="Youtube.com">Youtube.com</a>

<p>
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Alias, expedita.
</p>
</div>
<h2></h2>

<script>
  $(document).ready(function() {
    $('#result').on("click",function(event){
      event.preventDefault();
      let a=event.isDefaultPrevented();
      $('h2').html(a);
    })

    // stop prepagation
    $('#test1').click(function(){
      alert("Click on Div");
    })
    $('p').click(function(){
      event.stopPropagation();
      alert("The p element Clicked");
    })
  });
</script>
</body>

</html>
```

Thank You