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Events of JavaScript

Made by

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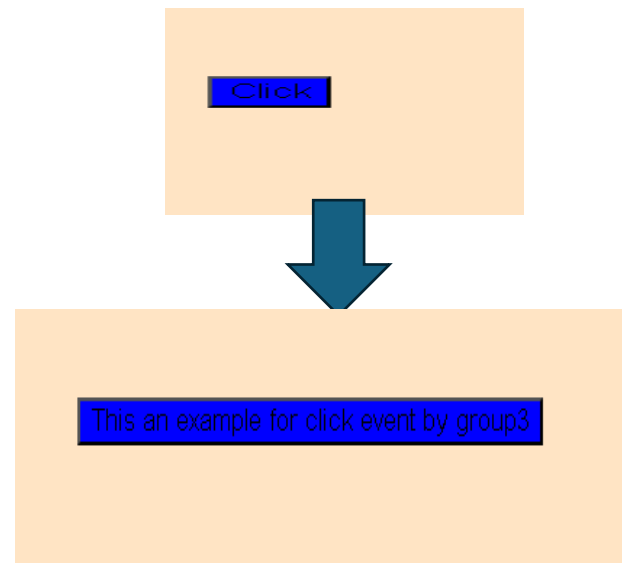
Saif Alden Elsayed

Supervised by

Dr. Sabah Saad

Click event

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Click event</title>
  <style>
    #butn{
      background-color: blue;
      margin: 350px 700px;
    }
  </style>
</head>
<body style="background-color: bisque;">
  <input type="button" id="butn" onclick="clিকেvent()" value="Click"/> </form>
  <script>
    function clিকেvent() {
      document.getElementById("butn").value =
        "This an example for click event by group3";
    }
  </script>
</body>
```



</html>

Focus event

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Focus event</title>
```

```
</head>
```

```
<body>
```

```
<h3>Focus event </h3>
```

```
<input type="text" id="input1" onfocus="focusevent()" />
```

```
<script>
```

```
function focusevent() {
```

```
    document.getElementById("input1").style.background = " green";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

Focus event



Focus event

MouseOver event

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>MouseOver event</title>
  </head>
  <body>
    <p onmouseover="mouseoverevent()">put cursor over me</p>
    <script>
      function mouseoverevent() {
        alert("MouseOver event");
      }
    </script>
  </body>
</html>
```

put cursor over me

127.0.0.1:5500 says

MouseOver event

OK

Scroll event

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
border: 1px solid black;
```

```
width: 200px;
```

```
height: 100px;
```

```
overflow: scroll;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>The onscroll Event</h1>
```

```
<p>Try the scrollbar in div.</p>
```

```
<div onscroll="myFunction()">
```

```
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Nam quam
```

```
  excepturi <br />
```

```
  amet a nulla, est dolor voluptatem ratione dicta sit architecto,<br />
```

```
  sint mollitia itaque dolorum nesciunt! Sequi necessitatibus quidem
```

```
  inventore.
```

```
</div>
```

```
<p>Scrolled <span id="demo">0</span> times.</p>
```

```
<script>
```

```
let x = 0;
```

```
function myFunction() {
```

```
    document.getElementById("demo").innerHTML = x += 1;
```

```
}
```

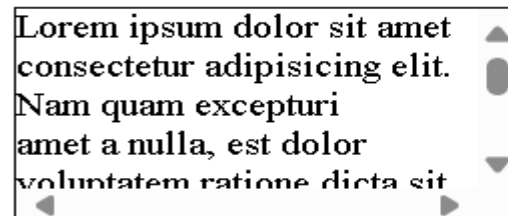
```
</script>
```

```
</body>
```

```
</html>
```

The onscroll Event

Try the scrollbar in div.

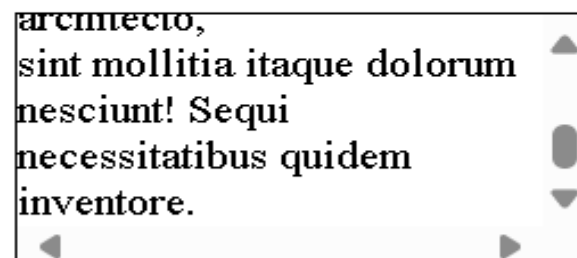


Lorem ipsum dolor sit amet
consectetur adipisicing elit.
Nam quam excepturi
amet a nulla, est dolor
voluntatem ratione dicta sit

Scrolled 0 times.

The onscroll Event

Try the scrollbar in div.



architecto,
sint mollitia itaque dolorum
nesciunt! Sequi
necessitatibus quidem
inventore.

Scrolled 50 times.

onmouseout Example:

```
<!DOCTYPE html>
<html>
<head>
  <title>onmouseout Example</title>
  <style>
    #hoverArea {
      width: 200px;
      height: 100px;
      background-color: lightblue;
      text-align: center;
      font-size: 20px;
    }
  </style>
</head>
<body>
  <div id="hoverArea" onmouseout="mouseOutFunction()">
    Hover over me and then move the mouse out!
  </div>
  <script>
    function mouseOutFunction() {
      let mydiv=document.getElementById("hoverArea");
      mydiv.style.backgroundColor="lightgreen";
      mydiv.innerText="The mouse is out!";
    }
  </script>
</body>
</html>
```

Hover over me and then
move the mouse out!



The mouse is out!

</script>

</body>

</html>

onkeydown & onkeyup Example:

```
<!DOCTYPE html>
<html>
<head>
  <title>onkeydown and onkeyup Example</title>
  <style>
    #output {
      width: 400px;
      margin-top: 20px;
      padding: 10px;
      background-color: lightyellow;
      border: 1px solid black;
    }
  </style>
</head>
<body>
  <h2>Try pressing and releasing a key</h2>
  <input type="text" placeholder="Type something here"
    onkeydown="keyDownFunction(event)"
    onkeyup="keyUpFunction(event)">
  <div id="output">
    <p><b>Key Down Event:</b> <span id="keydownText">None</span></p>
    <p><b>Key Up Event:</b> <span id="keyupText">None</span></p>
  </div>
  <script>
    let out1=document.getElementById("keydownText");
    let out2=document.getElementById("keyupText");
    function keyDownFunction(event) {
      let key = event.key;
      out1.innerText = "Key pressed down: " + key;
      out1.style.backgroundColor="yellow";
      out2.style.backgroundColor="lightyellow";
    }
    function keyUpFunction(event) {
      var key = event.key;
      out2.innerText = "Key released: " + key;
      out2.style.backgroundColor="yellow";
      out1.style.backgroundColor="lightyellow";
    }
  </script>
</body>
</html>
```

Try pressing and releasing a key

Key Down Event: Key pressed down: a

Key Up Event: None

Try pressing and releasing a key

Key Down Event: Key pressed down: a

Key Up Event: Key released: a

Onblur Example:

```
<!DOCTYPE html>
<html>
<head>
  <title>onblur Event Example</title>
  <style>
    input {
      width: 200px;
      padding: 10px;
      background-color: lightblue;
      border: 1px solid black;
    }
  </style>
</head>
<body>
  <h2>onblur Example</h2>
  <input type="text" id="in" placeholder="Type something and click away"
    onblur="blurFunction()">
  <script>
    function blurFunction() {
      document.getElementById("in").style.backgroundColor = "red";
    }
  </script>
</body>
</html>
```

onblur Example

Type something and click away

onblur Example

Seif

```

<!DOCTYPE html>
<html>
<head>
  <title>onload Event Example</title>
  <style>
    img{
      width: 300px;
      height: 200px;
    }
  </style>
</head>
<body onload="pageLoaded()">
  <h2>onload Event Example</h2>
  <p id="out1"></p>
  
  <p id="out2"></p>
  <script>
    function pageLoaded() {
      document.getElementById("out1").innerText = "The page has been
loaded
      successfully!";
    }
    function imageLoaded() {
      document.getElementById("out2").innerText = "The image has been
loaded
      successfully!";
    }
  </script>
</body>
</html>

```

onload Event Example

The page has been loaded successfully!



The image has been loaded successfully!

Change event

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>changeEvent</title>
```

```
  <style>
```

```
    body{
```

```
      height: 100vh;
```

```
      display: flex;
```

```
      align-items: center;
```

```
      justify-content: center;
```

```
      background-color: mediumseagreen;
```

```
    }
```

```
    input{
```

```
      width: 250px;
```

```
      height: 50px;
```

```
      font-size: xx-large;
```

```
      font-family: 'Times New Roman', Times, serif;
```

```
      border: none;
```

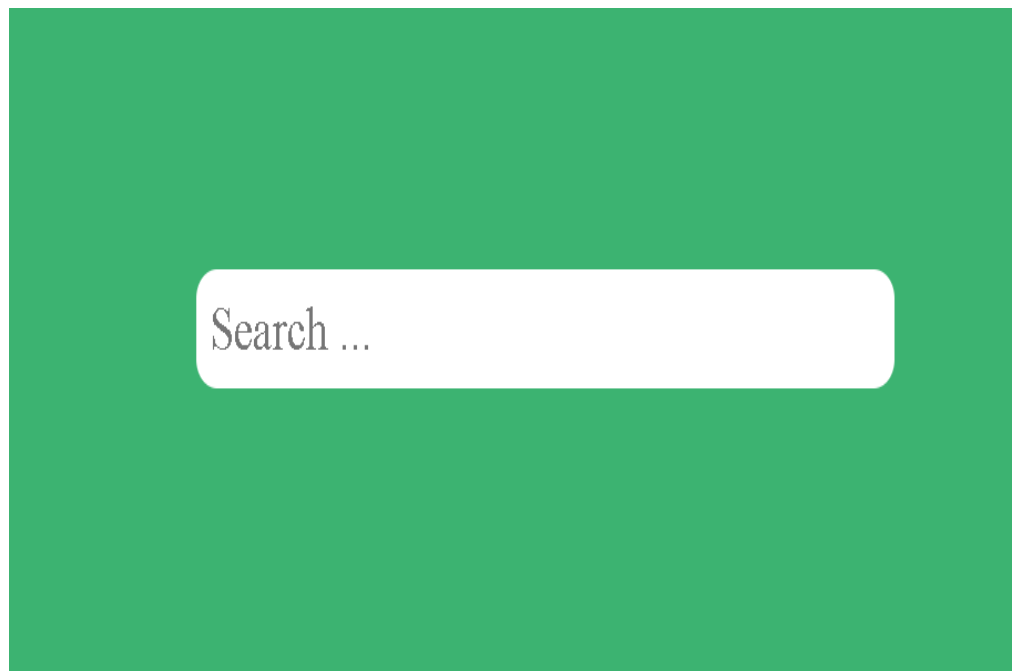
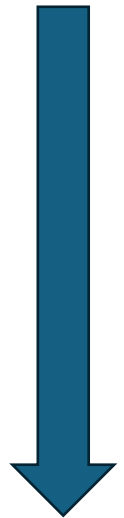
```
      border-radius: 15px;
```

```
      transition: width 0.6s, height 0.7s;
```

```
    }
```

```
input:hover {  
    width: 500px;  
    height: 60px;  
}  
</style>  
</head>
```

```
<body>  
    <form>  
        <input type="text" name="name" id="name" placeholder=" Search ...">  
    </form>  
    <script>  
        document.getElementById("name").addEventListener("change", function () {  
            document.getElementById("name").style.color = "mediumseagreen";  
        })  
    </script>  
</body>  
  
</html>
```



MouseDown&MouseUp Event

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>mousedownEvent</title>
```

```
  <style>
```

```
    body{
```

```
      height: 100vh;
```

```
      display: flex;
```

```
      align-items: center;
```

```
      justify-content: center;
```

```
      background-color:mediumseagreen;
```

```
    }
```

```
    #button {
```

```
      width: 350px;
```

```
      height: 350px;
```

```
      background-color: rgb(255, 247, 247);
```

```
      border: none;
```

```
      border-radius: 50%;
```

```
      cursor: pointer;
```

```
      transition: width 0.4s, height 1s;
```

```
      font-size: xx-large;
```

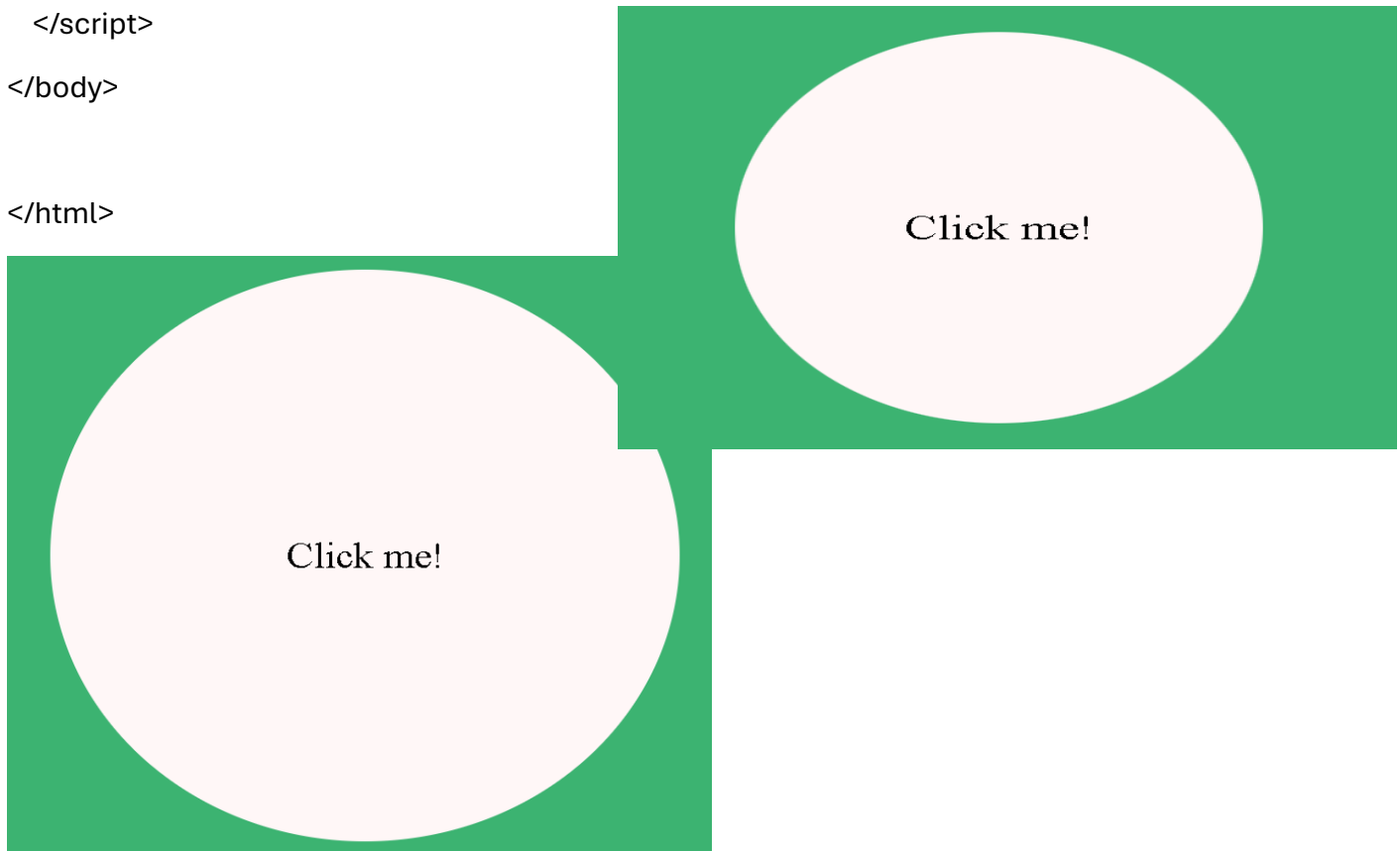
```
      font-family: 'Times New Roman', Times, serif;
```

```
    }
```

```
#button:hover{
    width: 500px;
    height: 500px;
}
</style>
</head>

<body id="body">
    <button id="button">Click me!</button>
    <script>
        document.getElementById("button").addEventListener("mousedown", function () {
            document.getElementById("button").innerText = "Hello!";
        })
    </script>
</body>

</html>
```



Resize event

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>resizeEvent</title>

  <style>

    body{

      height: 100vh;

      display: flex;

      align-items: center;

      justify-content: center;

      background-color: mediumseagreen;

    }

    p{

      color: white;

      font-size: xx-large;

      font-family: 'Times New Roman', Times, serif;

    }

  </style>

</head>
```



```
<body>

  <p id="dimensions">Resize the window!</p>

  <script>
    window.onresize = function () {
      document.getElementById('dimensions').textContent =
        `Width: ${window.innerWidth}, Height: ${window.innerHeight}`;
    };
  </script>
</body>

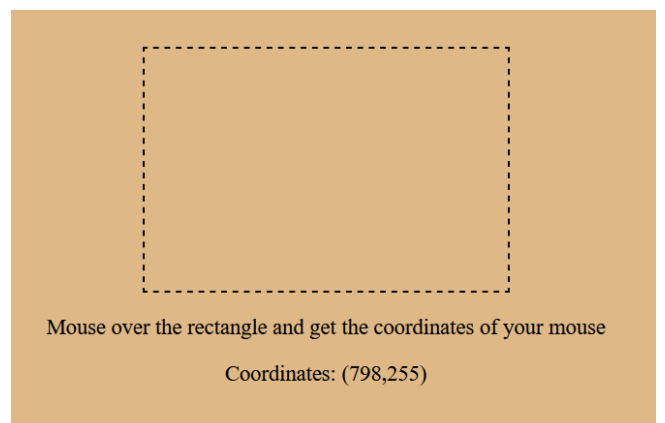
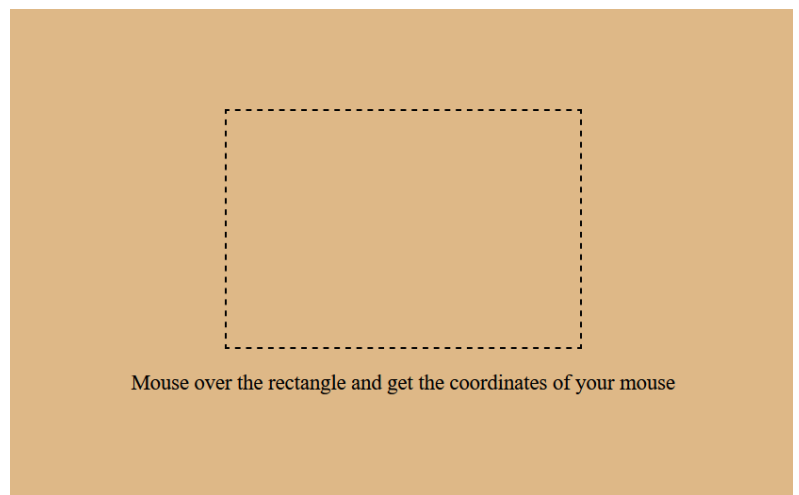
</html>
```



Resize the window!

OnMouseMove

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>onMousemove</title>
  <style>
    body{
      text-align: center;
      background-color: burlywood;
    }
    .div {
      width:300px;
      height:200px;
      border: 2px dashed black;
      margin: auto;
      margin-top: 20vh;
      margin-bottom: 10px;
    }
  </style>
</head>
<body>
```



```
<div class="div" onmousemove="myFunction(event)"
onmouseout="clearCoor()"></div>
```

```
<p>Mouse over the rectangle and get the coordinates of your mouse</p>
```

```
<div id="test"></div>
```

```
<script>
```

```
function myFunction(e) {
```

```
    let x = e.clientX;
```

```
    let y = e.clientY;
```

```
    let coor = "Coordinates: (" + x + "," + y + ")";
```

```
    document.getElementById("test").innerHTML = coor;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

onSubmit

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Submit</title>

  <style>

    .center{

      margin: 30vh auto;

    }

    form{

      display: flex;

      flex-wrap: wrap;

      justify-content: center;

      align-items: center;

      max-width: 400px;

      height: 100px;

      margin: auto;

      border: 5px solid red;

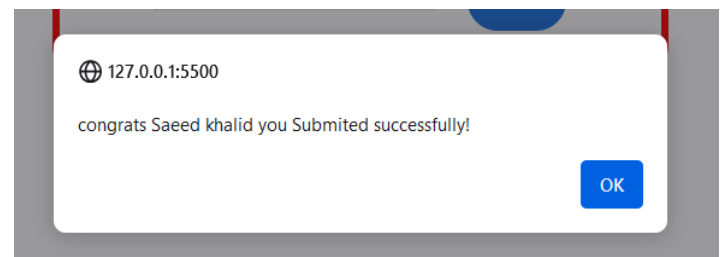
      border-radius: 20px;

    }

    button{

      height: 50px;

      border: 2px solid rgb(20, 110, 220);
```

A diagram showing a form layout. It consists of a light gray rectangular input field containing the text "Saeed khalid" and a blue circular button with the text "SUBMIT" in white. Both elements are enclosed within a red rounded rectangular border. A blue arrow points downwards from the bottom center of this border to the top center of the notification box below.

```
        background-color: rgb(20, 110, 220);
        border-radius: 20px;
    }
    input{
        margin-right: 20px;
        background-color: whitesmoke;
    }

</style>
</head>
<body>
    <div class="center">
        <form action="#" onsubmit="myfun()">
            <div><input type="text" name="name" id="name" placeholder="Name" required
></div>
            <div ><button type="submit" value="SUBMIT">SUBMIT</button>
            </div>
        </form>
    </div>
    <script>
        function myfun(){
            const name = document.getElementById("name").value;
            alert('congrats '+name +' you Submitted successfully!')
        }
    </script>
</body>
</html>
```

Reset event

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>reset event</title>
```

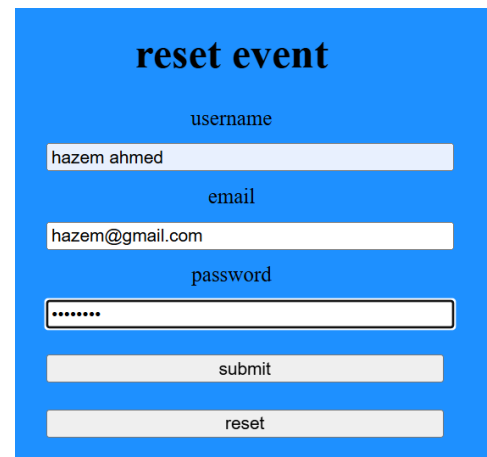
```
<style>
```

```
  body{
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    background-color: dodgerblue;
```

```
  }
```

```
  div{
    width: 300px;
    display: flexbox;
    justify-content: center;
    align-items: center;
    text-align: center;
  }
```

```
  input,button{
    width: 100%;
    margin: 10px;
  }
```



reset event

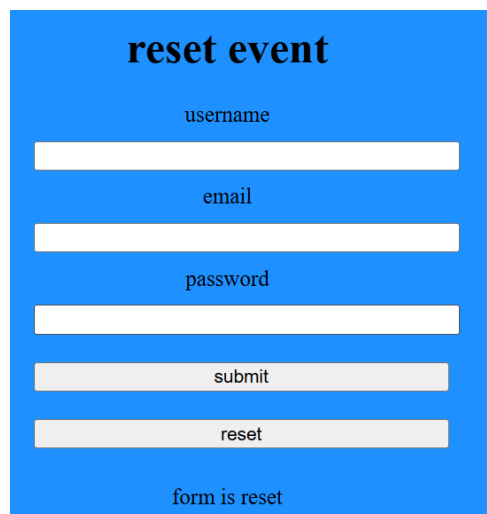
username
hazem ahmed

email
hazem@gmail.com

password

submit

reset



reset event

username

email

password

submit

reset

form is reset

```
</style>
</head>
<body>
  <div>

    <h1>reset event</h1>

    <form id="form">

      <label for="username">username</label>

      <input id="username" type="text">

      <label for="email">email</label>

      <input id="email" type="email">

      <label for="password">password</label>

      <input id="password" type="password">

      <button type="submit">submit</button>

      <button type="reset">reset</button>

      <p id="out"></p>

    </form>

  </div>

  <script>

    document.getElementById("form").addEventListener('reset',resetEvent);

    function resetEvent(){

      document.getElementById("out").innerHTML="form is reset";

    }

  </script>

</body>
</html>
```