

Aim: WAP that demonstrate different events and effects using jquery.

Input:

```
<!DOCTYPE html>

<html>

<head>

    <title>Jquery events and Effects</title>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

    <script type="text/javascript" src="jquery.js"></script>

</head>

<body>

    <h1>Events</h1>

<ol>

    <li><h2>click(click the below image.)</h2>

    


    <li><h2>double click(double click the below image.)</h2>

    


    <li><h2>mouse enter(Enter your cursor into the below image.)</h2>

    


    <li><h2>mouse leave(Enter your cursor into the below image and then leave.)</h2>

    


    <li><h2>mouse down(Click anywhere ON the image.)</h2>

    


    <li><h2>mouse up(Click anywhere ON the image.)</h2>

    


    <li><h2>hover(Hover on the image.)</h2>

    
```

<h2>Focus(Click on given input below.)</h2>

<input type="text" name="focus">

<h2>Blur(Click on given input below.)</h2>

<input type="text" name="blur">

<h2>ON(Click on the image.)</h2>

<h1>Effects</h1>

<h2>Hide / Show</h2>

<button name="hide">Hide</button>

<button name="show">Show</button>

<h2>Toggle</h2>

<button name="toggle">Click to toggle the image.</button>

<h2>Fade In/Out</h2>

<button name="fadein">Fade In</button>

<button name="fadeout">Fade Out</button>

<h2>Toggle</h2>

<button name="toggle_img">Toggle The Image</button>

<h2>Fade To</h2>

<button name="fadeto">Fade the Image</button>

<h2>Slide Down</h2>

<button name="slidedown">Click to slide down the image.</button>

<h2>Slide Up</h2>

<button name="slideup">Click to slide up the image.</button>

<h2>Slide Toggle</h2>

<button name="slidetoggle">Click to slideToggle the image.</button>

<h2>Animate</h2>

<button name="animate">Click to view animation of the image.</button>

<h2>Stop</h2>

<button name="play">Click to Start</button>

<button name="stop">Click to Stop</button>

```
<li><h2>Chaining</h2></li>

<button name="chain">Click this Button</button>
</ol>
</body>
</html>
```

Javascript:

```
$(document).ready(function(){
  $("img[name='click']").click(function(){
```

```
$(this).hide();  
});  
});
```

```
$(document).ready(function(){  
    $("img[name='dblc']").dblclick(function(){  
        $(this).hide();  
    });  
});
```

```
$(document).ready(function(){  
    $("img[name='mouseenter']").mouseenter(function(){  
        alert("You have entered the image.");  
    });  
});
```

```
$(document).ready(function(){  
    $("img[name='mouseleave']").mouseleave(function(){  
        alert("You have left the image.");  
    });  
});
```

```
$(document).ready(function(){  
    $("img[name='mousedown']").mousedown(function(){  
        alert("Mouse down over the image.");  
    });  
});
```

```
$(document).ready(function(){  
    $("img[name='mouseup']").mouseup(function(){  
        alert("Mouse up over the image.");  
    });  
});
```

```
});
```

```
$(document).ready(function(){  
    $("img[name='hover']").hover(function(){  
        alert("You entered the image.");  
    },  
    function(){  
        alert("You have left the image.");  
    });  
});
```

```
$(document).ready(function(){  
    $("input[name='focus']").focus(function(){  
        $(this).css("background-color","green");  
    });  
});
```

```
$(document).ready(function(){  
    $("input[name='blur']").blur(function(){  
        $(this).css("background-color", "red");  
    });  
});
```

```
$(document).ready(function(){  
    $("img[name='on']").on("click", function(){  
        $(this).hide();  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='hide']").click(function(){
```

```
    $("img[name='hideshow']").hide();  
});  
$("button[name='show']").click(function(){  
    $("img[name='hideshow']").show();  
});  
});
```

```
$(document).ready(function(){  
    $("button[name='toggle']").click(function(){  
        $("img[name='toggle']").toggle();  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='fadein']").click(function(){  
        $("img[name='img1']").fadeIn();  
        $("img[name='img2']").fadeIn("slow");  
        $("img[name='img3']").fadeIn(3000);  
    });  
    $("button[name='fadeout']").click(function(){  
        $("img[name='img1']").fadeOut();  
        $("img[name='img2']").fadeOut("slow");  
        $("img[name='img3']").fadeOut(3000);  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='toggle_img']").click(function(){  
        $("img[name='img4']").fadeToggle();  
        $("img[name='img5']").fadeToggle("slow");  
        $("img[name='img6']").fadeToggle(3000);  
    });  
});
```

```
});
```

```
$(document).ready(function(){  
    $("button[name='fadeto']").click(function(){  
        $("img[name='img7']").fadeTo("slow",0.15);  
        $("img[name='img8']").fadeTo("slow",0.4);  
        $("img[name='img9']").fadeTo("slow",0.7);  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='slidedown']").click(function(){  
        $("img[name='slidedown']").slideDown("slow");  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='slideup']").click(function(){  
        $("img[name='slideup']").slideUp("slow");  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='slidetoggle']").click(function(){  
        $("img[name='slidetoggle']").slideToggle("slow");  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='animate']").click(function(){  
        $("img[name='animate']").animate({left: '250px'});  
    });
```



```
});
```

```
$(document).ready(function(){  
    $("button[name='play']").click(function(){  
        $("img[name='stop']").slideDown(5000);  
    });  
    $("button[name='stop']").click(function(){  
        $("img[name='stop']").stop();  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='callback']").click(function(){  
        $("img[name='callback']").hide("slow", function(){  
            alert("The image is now hidden");  
        });  
    });  
});
```

```
$(document).ready(function(){  
    $("button[name='chain']").click(function(){  
        $("img[name='chain']").css({opacity: 0.5}).slideUp(2000).slideDown(2000);  
    });  
});
```

Output:

Events

1. click(click the below image.)



2. double click(double click the below image.)



3. mouse enter(Enter your cursor into the below image.)



4. mouse leave(Enter your cursor into the below image and then leave.)



5. mouse down(Click anywhere ON the image.)



6. mouse up(Click anywhere ON the image.)



7. hover(Hover on the image.)



8. Focus(Click on given input below.)

9. Blur(Click on given input below.)

10. ON(Click on the image.)



Effects

1. Hide / Show



[Hide / Show]

2. Toggle



[Click to toggle the image]

3. Fade In/Out



[Fade In / Fade Out]

4. Toggle



[Toggle the image]

5. Fade To



[Fade the image]

6. Slide Down

[Click to slide down the image]

7. Slide Up



[Click to slide up the image]

8. Slide Toggle



[Click to slide/toggle the image]

9. Animate



[Click to start animation of the image]

10. Stop

[Click to Start] [Click to Stop]

11. Chaining



[Click the button]

Aim: Perform form validation using jquery.

Input:

Html and Css:

```
<!DOCTYPE html>

<html>

<head>

  <title>Jq Form Validation</title>

</head>

<script type="text/javascript" src="formvalidatejquery.js"></script>

<style type="text/css">

  @import url("https://fonts.googleapis.com/css?family=Open+Sans");

/* Styles */

* {

  margin: 0;

  padding: 0;

}

body {

  font-family: "Open Sans";

  font-size: 14px;

}

.container {

  width: 500px;

  margin: 25px auto;

}

form {

  padding: 20px;

  background: #2c3e50;
```

```
color: #fff;
-moz-border-radius: 4px;
-webkit-border-radius: 4px;
border-radius: 4px;
}
form label,
form input,
form button {
border: 0;
margin-bottom: 3px;
display: block;
width: 100%;
}
form input {
height: 25px;
line-height: 25px;
background: #fff;
color: #000;
padding: 0 6px;
-moz-box-sizing: border-box;
-webkit-box-sizing: border-box;
box-sizing: border-box;
}
form button {
height: 30px;
line-height: 30px;
background: #e67e22;
color: #fff;
margin-top: 10px;
cursor: pointer;
}
form .error {
```

```

    color: #ff0000;
}
</style>
<body>
  <div class="container">
    <h2>Registration</h2>
    <form action="" name="registration">
      <center>

        <label for="firstname">First Name</label>
        <input type="text" name="firstname" id="firstname" placeholder="Varshil" required />

        <label for="lastname">Last Name</label>
        <input type="text" name="lastname" id="lastname" placeholder="Patel" required />

        <label for="email">Email</label>
        <input type="email" name="email" id="email" placeholder="varshilpatel@email.com" required />

        <label for="password">Password</label>
        <input type="password" name="password" id="password"
placeholder="#9679;#9679;#9679;#9679;" required />

        <button type="submit">Register</button>
      </center>
    </form>
  </div>
</body>
</html>

```

Javascript:

```
$(function() {
```

```
$("#form[name='registration']").validate({

    rules: {

        firstname: "required",
        lastname: "required",
        email: {
            required: true,

            email: true
        },
        password: {
            required: true,
            minlength: 5
        }
    },

    messages: {
        firstname: "Please enter your firstname",
        lastname: "Please enter your lastname",
        password: {
            required: "Please provide a password",
            minlength: "Your password must be at least 5 characters long"
        },
        email: "Please enter a valid email address"
    },

    submitHandler: function(form) {
        form.submit();
    }
});
```

```
});
```

Output:

Registration

First Name

Varshil

Last Name

Patel

Email

varshilpatel@email.com

Password

•••••

Register