

```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <script>
6.
7.         function greet()
8.         {
9.             alert('hello, ' + document.getElementById('name').value + '!');
10.        }
11.
12.     </script>
13.     <title>dom-0</title>
14. </head>
15. <body>
16.   <form id="demo" onsubmit="greet(); return false;">
17.     <input id="name" placeholder="Name" type="text"/>
18.     <input type="submit"/>
19.   </form>
20. </body>
21. </html>
```

```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <title>dom-1</title>
6.   </head>
7.   <body>
8.     <form id="demo">
9.       <input id="name" placeholder="Name" type="text"/>
10.      <input type="submit"/>
11.    </form>
12.    <script>
13.
14.      document.getElementById('demo').onsubmit = function() {
15.        alert('hello, ' + document.getElementById('name').value + '!');
16.        return false;
17.      };
18.
19.    </script>
20.  </body>
21. </html>
```

```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <script src="https://code.jquery.com/jquery-latest.min.js"></script>
6.     <script>
7.
8.         $(document).ready(function() {
9.             $('#demo').submit(function(event) {
10.                alert('hello, ' + $('#name').val() + '!');
11.                event.preventDefault();
12.            });
13.        });
14.
15.     </script>
16.     <title>dom-2</title>
17. </head>
18. <body>
19.     <form id="demo">
20.         <input id="name" placeholder="Name" type="text"/>
21.         <input type="submit"/>
22.     </form>
23. </body>
24. </html>
```

```
1. <!--
2.
3. form-0.html
4.
5. A form without client-side validation.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <title>form-0</title>
17.     </head>
18.     <body>
19.         <form action="register.php" method="get">
20.             Email: <input name="email" type="text"/>
21.             <br/>
22.             Password: <input name="password" type="password"/>
23.             <br/>
24.             Password (again): <input name="confirmation" type="password"/>
25.             <br/>
26.             I agree to the terms and conditions: <input name="agreement" type="checkbox"/>
27.             <br/><br/>
28.             <input type="submit" value="Register"/>
29.         </form>
30.     </body>
31. </html>
```

```
1. <!--
2.
3. form-1.html
4.
5. A form with client-side validation.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <title>form-1</title>
17.     </head>
18.     <body>
19.         <form action="register.php" id="registration" method="get">
20.             Email: <input name="email" type="text"/>
21.             <br/>
22.             Password: <input name="password" type="password"/>
23.             <br/>
24.             Password (again): <input name="confirmation" type="password"/>
25.             <br/>
26.             I agree to the terms and conditions: <input name="agreement" type="checkbox"/>
27.             <br/><br/>
28.             <input type="submit" value="Register"/>
29.         </form>
30.         <script>
31.
32.             var form = document.getElementById('registration');
33.
34.             // onsubmit
35.             form.onsubmit = function() {
36.
37.                 // validate email
38.                 if (form.email.value == '')
39.                 {
40.                     alert('You must provide your email address!');
41.                     return false;
42.                 }
43.
44.                 // validate password
45.                 else if (form.password.value == '')
46.                 {
47.                     alert('You must provide a password!');
48.                     return false;
```

```
49.         }
50.
51.         // validate confirmation
52.         else if (form.password.value != form.confirmation.value)
53.         {
54.             alert('Passwords do not match!');
55.             return false;
56.         }
57.
58.         // validate agreement
59.         else if (!form.agreement.checked)
60.         {
61.             alert('You must agree to the terms and conditions!');
62.             return false;
63.         }
64.
65.         // valid!
66.         return true;
67.
68.     };
69.
70.     </script>
71. </body>
72. </html>
```

```
1. <!--
2.
3. form-2.html
4.
5. A form with client-side validation using jQuery.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <script src="https://code.jquery.com/jquery-latest.min.js"></script>
17.         <script>
18.
19.             // onready
20.             $(document).ready(function() {
21.
22.                 // onsubmit
23.                 $('#registration').submit(function() {
24.
25.                     // validate email
26.                     if ($('#registration input[name=email]').val() == '')
27.                     {
28.                         alert('You must provide your email address!');
29.                         return false;
30.                     }
31.
32.                     // validate password
33.                     else if ($('#registration input[name=password]').val() == '')
34.                     {
35.                         alert('You must provide a password!');
36.                         return false;
37.                     }
38.
39.                     // validate confirmation
40.                     else if ($('#registration input[name=password]').val() != $('#registration input[name=confirmation]').val())
41.                     {
42.                         alert('Passwords do not match!');
43.                         return false;
44.                     }
45.
46.                     // validate agreement
47.                     else if (!$('#registration input[name=agreement]').is(':checked'))
48.                     {
```

```
49.         alert('You must agree to the terms and conditions!');
50.         return false;
51.     }
52.
53.     // valid!
54.     return true;
55.
56.     });
57.
58.     });
59.
60.     </script>
61.     <title>form-2</title>
62. </head>
63. <body>
64.     <form action="register.php" id="registration" method="get">
65.         Email: <input name="email" type="text"/>
66.         <br/>
67.         Password: <input name="password" type="password"/>
68.         <br/>
69.         Password (again): <input name="confirmation" type="password"/>
70.         <br/>
71.         I agree to the terms and conditions: <input name="agreement" type="checkbox"/>
72.         <br/><br/>
73.         <input type="submit" value="Register"/>
74.     </form>
75. </body>
76. </html>
```



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```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <title>register</title>
6.   </head>
7.   <body>
8.     You are registered! (Well, not really.)
9.   </body>
10. </html>
```