

```

<!DOCTYPE html>
<html>
<head>
<title>Form Validation jQuery:Demo Preview</title>
<script src="http://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function() {

$("#submit").click(function() {

// Initializing Variables With Form Element Values
var firstname = $("#firstname").val();
var addr = $("#addr").val();
var zip = $("#zip").val();
var state = $("#state").val();
var username = $("#username").val();
var uemail = $("#email").val();

// Initializing Variables With Regular Expressions
var name_regex = "/^[a-zA-Z]+$/" ;
//var email_regex = "/^[w-.+]+@[a-zA-Z0-9.-]+.[a-zA-z0-9]{2,4}$/";
var emailpatt="/^([a-zA-Z0-9_\\.\\-])\\@@((([a-zA-Z0-9\\-])\\.)+([a-zA-Z0-9]{2,4})+)$/";
var add_regex = "/^[0-9a-zA-Z]+$/" ;
var zip_regex = "/^[0-9]+$/" ;

// To Check Empty Form Fields.
if(firstname.length==0) {
$("#display").text(" * All fields are mandatory *");
$("#firstname").focus();
return false;
}

// Validating Name Field.
else if ((firstname.match(name_regex)==false) || firstname.length == 0) {
$("#p1").text(" * For your name please use alphabets only *");
// This Segment Displays The Validation Rule For Name
$("#firstname").focus();
return false;
}

// Validating Username Field.
else if ((username.length <= 6 && username.length >= 8) || username.length == 0) {
$("#p2").text(" * Please enter between 6 and 8 characters *");
// This Segment Displays The Validation Rule For Username
$("#username").focus();
return false;
}

// Validating Email Field.
else if((uemail.match(emailpatt)==false) || uemail.length == 0) {
$("#p3").text(" * Please enter a valid email address *");
alert(uemail);
// This Segment Displays The Validation Rule For Email
$("#email").focus();
return false;
}*/

// Validating Select Field.
else if (state == "Please Choose") {
$("#p4").text(" * Please Choose any one option");
// This Segment Displays The Validation Rule For Selection
$("#state").focus();
return false;
}

// Validating Address Field.
else if (addr.match(add_regex)==false || addr.length == 0) {
$("#p5").text(" * For Address please use numbers and letters *");

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// This Segment Displays The Validation Rule For Address
$("#addr").focus();
return false;
}
// Validating Zip Field.
else if (zip.match(zip_regex)==false || zip.length == 0) {
$("#p6").text(" * Please enter a valid zip code *");
// This Segment Displays The Validation Rule For Zip
$("#zip").focus();
return false;
} else {
alert("Form Submitted Successfully!");
return true;
}
});
});
});

</script>
</head>
<body>
<div class="main">
<h1>Form Validation Using jQuery</h1>
<div id="form">
<h2>Java script form validation</h2>
<form method="get"> <!-- Form Starts From Here -->
<p id="display"></p>
<label>Full Name:</label>
<input type="text" id="firstname">
<p id="p1"></p> <!--This Segment Displays The Validation Rule For Name-->
<label>Username(6-8 characters):</label>
<input id="username" type="text">
<p id="p2"></p> <!-- This Segment Displays The Validation Rule For User Name -->
<label>Email:</label>
<input id="email" type="text">
<p id="p3"></p> <!-- This Segment Displays The Validation Rule For Email -->
<label>State:</label>
<select id="state">
<option>Please Choose</option>
<option>America</option>
<option>Australia</option>
<option>Sweden</option>
<option>Africa</option>
</select>
<p id="p4"></p> <!-- This Segment Displays The Validation Rule For Selection -->
<label>Address:</label>
<input id="addr" type="text">
<p id="p5"></p> <!-- This Segment Displays The Validation Rule For Address -->
<label>Zip Code:</label>
<input id="zip" type="text">
<p id="p6"></p> <!-- This Segment Displays The Validation Rule For Zip -->
<button id="submit">Check Form</button>
</form>
<!-- This Segment Displays The Validation Rule -->
</div>
</div>
</script>
</body>
</html>

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<!DOCTYPE html>
<html>
<body>

<p>Access a JSON object using dot notation:</p>

<p id="demo1"></p>
<p id="demo2"></p>
<script>
var myObj, x,y;
myObj = {"name":"John", "age":30, "car":null};
x = myObj.age;
y = myObj["name"];
document.getElementById("demo1").innerHTML = x;
document.getElementById("demo2").innerHTML = y;
</script>

</body>
</html>
```

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<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>How to loop through all properties in a JSON object.</p>
```

```
<p id="demo1"></p>
```

```
<p id="demo2"></p>
```

```
<script>
```

```
var myObj, x,y;
```

```
myObj = {"name":"John", "age":30, "car":null};
```

```
for (x in myObj) {
```

```
    document.getElementById("demo1").innerHTML += x + "<br>";
```

```
}
```

```
for (y in myObj) {
```

```
document.getElementById("demo2").innerHTML += myObj[y] + "<br>";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

```
<html> <body> <p>How to access nested JSON objects.</p>
<p id="demo1"></p>
<p id="demo2"></p>
<p id="demo3"></p>
<script>
var myObj = {
    "name": "John",
    "age": 30,
    "cars": {
        "car1": "Ford",
        "car2": "BMW",
        "car3": "Fiat"    } }

for (x in myObj.cars) {
    document.getElementById("demo1").innerHTML += myObj.cars[x] + "<br>";
}
//or:
//document.getElementById("demo1").innerHTML += myObj.cars["car2"];

myObj.cars.car2 = "Mercedes"; //or
//myObj.cars["car2"] = "Mercedes";
for (x in myObj.cars) {
    document.getElementById("demo2").innerHTML += myObj.cars[x] + "<br>";
}
//document.getElementById("demo2").innerHTML += myObj.cars.car2 + "<br>"; //or:
//Delete Object Properties
delete myObj.cars.car2;
for (x in myObj.cars) {
    document.getElementById("demo3").innerHTML += myObj.cars[x] + "<br>";
}
//document.getElementById("demo3").innerHTML += myObj.cars.car2 + "<br>"; //or:

</script> </body></html>
```

```
<!DOCTYPE html>
<html>
<body>
<p>Access an array value of a JSON object.</p>
<p id="demo1"></p>
<p id="demo2"></p>
<p id="demo3"></p>
<p id="demo4"></p>
<p id="demo5"></p>
<script>
var myObj,x,i;
myObj = {
  "name": "John",
  "age": 30,
  "cars": [ "Ford", "BMW", "Fiat" ]
};
x = myObj.cars[0];
document.getElementById("demo1").innerHTML = x;
var y=" ";
//loop
for (i in myObj.cars) {
  y+= myObj.cars[i] + "<br>";
}
document.getElementById("demo2").innerHTML = y;
y=" ";
for (i = 0; i < myObj.cars.length; i++) {
  y+= myObj.cars[i] + "<br>";
}
document.getElementById("demo3").innerHTML = y;

y=" ";
//modify
myObj.cars[1] = "Mercedes";
for (i in myObj.cars) {
  y += myObj.cars[i] + "<br>";
}
document.getElementById("demo4").innerHTML = "Modify<br>"+y ;
y=" ";
//delete
delete myObj.cars[1];

for (i in myObj.cars) {
  y += myObj.cars[i] + "<br>";
}
document.getElementById("demo5").innerHTML = "Delete<br>"+y;

</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<p>Looping through arrays inside arrays.</p>

<p id="demo1"></p>
<p id="demo2"></p>
<p id="demo3"></p>
<script>
var myObj, i, j,x = "";
myObj = {
  "name": "John",
  "age": 30,
  "cars": [
    { "name": "Ford", "models": ["Fiesta", "Focus", "Mustang"] },
    { "name": "BMW", "models": ["320", "X3", "X5"] },
    { "name": "Fiat", "models": ["500", "Panda"] }
  ]
}
for (i in myObj.cars) {
  x += "<h2>" + myObj.cars[i].name + "</h2>";
  for (j in myObj.cars[i].models) {
    x += myObj.cars[i].models[j] + "<br>";
  }
}
document.getElementById("demo1").innerHTML = x;

</script>

</body>
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>How to access nested JSON objects.</p>
```

```
<p id="demo1"></p>
```

```
<p id="demo2"></p>
```

```
<p id="modify"></p>
```

```
<p id="delete"></p>
```

```
<script>
```

```
var i;
```

```
var myObj = {  
  "name": "John",  
  "age": 30,  
  "cars": {  
    "car1": "Ford",  
    "car2": "BMW",  
    "car3": "Fiat"  
  }  
}
```

```
document.getElementById("demo1").innerHTML += myObj.cars.car2 + "<br>";
```

```
//or:
```

```
//document.getElementById("demo2").innerHTML += myObj.cars["car2"];
```

```
myObj.cars.car2 = "Mercedes"; //modify
```

```
for (i in myObj.cars) {  
  x += myObj.cars[i] + "<br>";  
}
```

```
document.getElementById("modify").innerHTML = x;
```

```
delete myObj.cars.car2; //delete
```

```
for (i in myObj.cars) {  
  x += myObj.cars[i] + "<br>";  
}
```

```
document.getElementById("delete").innerHTML = x;
```

```
</script>
```

```
</script>
```

```
</body>
```

```
</html>
```



```
<!DOCTYPE html>
<html>
<body>

<h2>Convert a string into a date object.</h2>

<p id="demo"></p>

<script>
var text = '{"name":"John", "birth":"1986-12-14", "city":"New York"}';
var obj = JSON.parse(text, function (key, value) {
    if (key == "birth") {
        return new Date(value);
    } else {
        return value;
    }
});
document.getElementById("demo").innerHTML = obj.name + ", " + obj.birth;
</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>Create JSON string from a JavaScript object.</h2>

<p id="demo"></p>

<script>
var obj = { name: "John", age: 30, city: "New York" };
var myJSON = JSON.stringify(obj);
document.getElementById("demo").innerHTML = myJSON;
</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>
<h2>Create Object from JSON String</h2>
<p id="demo"></p>
<p id="demo1"></p>
<script>
var txt = '{"name":"John", "age":30, "city":"New York"}'
var obj = JSON.parse(txt);
document.getElementById("demo").innerHTML = obj.name + ", " + obj.age;
document.getElementById("demo1").innerHTML = obj;
</script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>JSON.stringify will convert any date objects into strings.</h2>

<p id="demo"></p>

<script>
var obj = { name: "John", today: new Date(), city: "New York" };
var myJSON = JSON.stringify(obj);
document.getElementById("demo").innerHTML = myJSON;
</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>Convert a string into a date object.</h2>

<p id="demo"></p>

<script>
var text = '{"name":"John", "birth":"1986-12-14", "city":"New York"}';
var obj = JSON.parse(text);
obj.birth = new Date(obj.birth);
document.getElementById("demo").innerHTML = obj.name + ", " + obj.birth;
</script>

</body>
</html>
```

```

<!--json table format-->
<html><head><script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"
></script>
<style> #mytable,td{ border:1px solid blue;}</style>
<script>
$(document).ready(function () {
$("#readjson").click(function(){
var obj=[ { item : "001", name : "apple", category : "fruit", color
: "red" },
{ item : "002", name : "melon", category : "fruit", color :
"green" },
{ item : "003", name : "banana", category : "fruit", color :
"yellow" } ]

var tbl=$("<table/>").attr("id","mytable"); //table creation at dynamically
$("#div1").append(tbl);
for(var i=0;i<obj.length;i++) {
var tr="<tr>";
var td1="<td>"+obj[i]["item"]+"</td>";
var td2="<td>"+obj[i]["name"]+"</td>";
var td3="<td>"+obj[i]["color"]+"</td></tr>";
$("#mytable").append(tr+td1+td2+td3); }}
});
</script> </head><body>
<div id="div1"> </div>
<button id="readjson">readjson</button></body></html>

```