

AJAX (asynchronous JavaScript + XML)

function postData() {

var xhttp = new XMLHttpRequest();

xhttp.open("POST", "page1", true);

xhttp.send("var1=value1&var2=value2"); }

function getDataSend() {

var xhttp = new XMLHttpRequest();

xhttp.open("GET", "page2?var1=value1&var2=value2", true);

xhttp.send(); }

Send Request to Server -

xhttp.open(method, url, async);

GET POST true false

Execute function when a request is received from the server in response to a GET/POST request

var xhttp = new XMLHttpRequest();

xhttp.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

document.getElementById("demo").innerHTML = this.responseText;

xhttp.open("GET", "ajax-page", true);

xhttp.send(); }

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

document.getElementById("form1").addEventListener("click", function(event) {

event.preventDefault();

var req = new XMLHttpRequest();

var url = "http://api.openweathermap.org/zip=12345"

req.open("GET", url, true);

req.addEventListener("load", function() {

if (req.status == 200 && req.status < 400) { // success

var res = JSON.parse(req.responseText);

if (error != null) {

req.send(null); var object = {key: value};

req.open("POST", url, true);

req.setRequestHeader("Content-type", "application/json");

req.addEventListener("load", function() { if (req.status == 200 && < 400) { success

JSON.parse(req.responseText); } else { error; }

req.send(JSON.stringify(object));

event.preventDefault();

FORM

<form action="/get" method="get">

<fieldset>

<legend>Save Get data</legend>

<label> text </label>

<label> name

<input type="text" name="text"

maxlength="100" />

</label>

<input type="radio" name="Candy"

value="skittles"> Skittles </input>

<input type="submit" value="Submit" />

</fieldset>

</form>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

HTML TEMPLATE

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1">

</head>

<body>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

</html>

</script>

</body>

CSS TEMPLATE

body {

background-color: #fff;

border: 1px solid black;

border-style: none; border-bottom: 1px solid black;

#idName { border-color: #000;

table tbody tr:nth-of-type(1) {

border-width: 2px; }

table tbody tr:nth-of-type(2) {

border-width: 3px; }

table tbody tr:nth-child(2) {

color: #000; padding: 0;

margin: 1px 2px 3px 4px; }

ul li:nth-child(3n+3) {

/* select every 3rd item in

unordered list. i.e. - 3, 6, 9, 12, *

p:nth-of-type(2) {

/* selects every <p> element that

is the 2nd p element of its parents

}

```
name VARCHAR(255) NOT NULL,
reps INT, date DATE, lbs BOOLEAN,
function(emp) { if (emp) { next(emp); return; } }
```