HTML > Create Static Web Pages

CSS > Decorate / Format your Web Pages

Javascript > Interaction on client side , Used to make your web pages dynamic

For HTML5 , javascript is the default scripting language

VbScript

<!doctype html>

<html>

<head>

<script language=”javascript”>

</script>

</head>

<body>

<script>

</script>

</body>

</html>

<!DOCTYPE html>

<html>

  <head>

<script>

const flatten = (x) => {

  var temp = [].concat(...x);

  var temp= [].concat(...temp);

console.log(temp);

  // Write your code here

};

function get()

{

  var x = [1, [2, 3], [[4], [5]]];

  flatten(x);

}

</script>

</head>

<body>

<button onclick="get()"> click </button>"

</body>

</html>

<!-- /\* For example,

INPUT - flatten([1, [2, 3], [[4], [5]])

OUTPUT - [ 1, 2, 3, 4, 5 ] -->

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8" />

    <script>

        var a = [10, 20, 30];

        var b = a;

        console.log(a);

        console.log(b);

        a[0] = 12000;

        console.log(a);

        console.log(b);

        var a1 = [10, 20, 30];

        var b1 = [...a1];

       console.log(a1);

       console.log(b1);

        a1[0] = 100;

        console.log(a1);

        console.log(b1);

        b1 = [10, ...a1, 2, 3];

        console.log(b1);

        var c1 = [...a1, ...b];

        //console.log(c1);

        var c = { courseName: "C#", duration: 90 };

        var d = { ...c };

        console.log(c);

        console.log(d);

        c.courseName = "Java";

        console.log(c);

        console.log(d);

            function A1(...a)

                {

                console.log("Va;ue os a is " + a);

                }

                A1(10,23,23,32,89);

    </script>

    <title></title>

</head>

<body>

</body>

</html>

 function call()

  {

    var x = avg(1,2,3,4,6,7);

    document.getElementById("d2").innerHTML = x;

  }

function avg(...args) {

  var sum = 0;

  for (let value of args) {

    sum += value;

  }

  return sum / args.length;

}

function avgArray(arr) {

var sum = 0;

for (var i = 0, j = arr.length; i < j; i++) {

sum += arr[i];

}

return sum / arr.length;

}

avgArray([2, 3, 4, 5]); // 3.5

avg.apply(null, [2, 3, 4, 5]); // 3.5

var avg = function() {

var sum = 0;

for (var i = 0, j = arguments.length; i < j; i++) {

sum += arguments[i];

}

return sum / arguments.length;

};

<https://scotch.io/bar-talk/javascripts-three-dots-spread-vs-rest-operators543>

<https://www.jstips.co/en/javascript/flattening-multidimensional-arrays-in-javascript/>

var object = arr.reduce((obj, item) => (obj[item.key] = item.value, obj) ,{});