Assignment03 Javascript lesson

<https://www.w3schools.com/code/tryit.asp?filename=FKNLPCM19K2U>

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Assigment 03</h2>

<h3>Statement 01: Check array</h3>

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

<script>

var var1="w3resource";

var var2=[1, 2, 4, 0];

function is\_array(input)

{

document.write(input.constructor.toString().indexOf("Array") > -1);

document.write("<br>");

}

is\_array(var1);

is\_array(var2);

</script>

<h3>Statement 02: Most frequent item</h3>

<script>

var var1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];

var max=[0,0];

function mostFre(input)

{

input.sort();

var most=0;var item=0;

for(var i=0;i<input.length;i++)

{

for(var j=i+1;j<input.length;j++)

{

if(input[j]!=input[i]||j==input.length-1)

{

if(j==input.length-1)

{

most=j-i+1;

item=input[i];

i=input.length;

}

else

{

if((j-i)>most)

{

most=j-i;

item=input[i];

}

i=j-1;

j=input.length

}

}

}

}

document.write("<br>");

document.write(item+"( "+most+"times)");

}

mostFre(var1);

</script>

<h3>Statement 03: Is date object</h3>

<script>

function is\_date(input)

{

if ( Object.prototype.toString.call(input) === "[object Date]" )

return true;

return false;

}

document.write(is\_date("October 13, 2014 11:13:00"));

document.write("<br>");

document.write(is\_date(new Date(86400000)));

document.write("<br>");

document.write(is\_date(new Date(99,5,24,11,33,30,0)));

document.write("<br>");

document.write(is\_date([1, 2, 4, 0]));

document.write("<br>");

</script>

<h3>Statement 04: Month name</h3>

<script>

var monthNames = ["January", "February", "March", "April", "May", "June",

"July", "August", "September", "October", "November", "December"

];

function month\_name(input)

{

return monthNames[input.getMonth()];

}

document.write(month\_name(new Date("10/11/2009")));

</script>

<h3>Statement 05: Highest value</h3>

<script>

var array1=[12,34,56,1];

var array2=[-12,-34,0,-56,-1];

function max(input)

{

input.sort(function(a, b){return b - a});

return input[0];

}

document.write(max(array1));

document.write("<br>");

document.write(max(array2));

</script>

</body>

</html>