**Assignment 03:**

1. Write a JavaScript function to check whether an `input` is an array or not.

Test Data :

console.log(is\_array('w3resource'));

console.log(is\_array([1, 2, 4, 0]));

false

true

|  |
| --- |
| function isArray(x) {  return x.constructor.toString().indexOf("Array") > -1;  }  console.log(isArray([1, 2, 4, 0]));  console.log(isArray('w3resource')); |

1. Write a JavaScript program to find the most frequent item of an array.

Sample array : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];

Sample Output : a ( 5 times )

|  |
| --- |
| var arr = [3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];  var count=1, ind =0, temp = 0;  for (var i=0; i<arr.length; ++i){  temp=0;  for (var j=i; j<arr.length; j++){  if (arr[i]===arr[j])temp++;  }  if (count < temp ){  count = temp;  ind = i;  }  }  document.write(arr[1]," ",count,"times") |

1. Write a JavaScript function to check whether an `input` is a date object or not.

Test Data :

console.log(is\_date("October 13, 2014 11:13:00"));

console.log(is\_date(new Date(86400000)));

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

console.log(is\_date([1, 2, 4, 0]));

Output :

false

true

true

false

|  |
| --- |
| function is\_date(input) {  if (Object.prototype.toString.call(input) === "[object Date]")  return true;  return false;  }; |

1. Write a JavaScript function to get the month name from a particular date.

Test Data :

console.log(month\_name(new Date("10/11/2009")));

console.log(month\_name(new Date("11/13/2014")));

Output :

"October"

"November"

|  |
| --- |
| function month\_name(input) {  m = input.getMonth();  var month=["January","February","March","April","May","June","July","August","September","October","November","December"];  return month[m];  }; |

1. Write a JavaScript function to find the highest value in an array.

Test Data :

console.log(max([12,34,56,1]));

console.log(max([-12,-34,0,-56,-1]));

56

0

|  |
| --- |
| function isArray(input) {  return input.constructor.toString().indexOf("Array") > -1;  }  function max(input) {  if (isArray(input)===false)  return false;  else return Math.max.apply(null, input);  }; |

1. <https://www.w3resource.com/javascript-exercises/javascript-array-exercise-1.php>
2. <https://www.w3resource.com/javascript-exercises/javascript-array-exercise-8.php>
3. <https://www.w3resource.com/javascript-exercises/javascript-date-exercise-1.php>
4. <https://www.w3resource.com/javascript-exercises/javascript-date-exercise-4.php>
5. <https://www.w3resource.com/javascript-exercises/javascript-math-exercise-6.php>