THA DAY 6

ARRAY ASSIGNMENT

* 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

CODE-

var is\_array = function(input) {

if (toString.call(input) === "[object Array]")

return true;

return false;

};

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

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

2.Write a JavaScript function to clone an array

*Test Data* :

console.log(array\_Clone([1, 2, 4, 0]));

console.log(array\_Clone([1, 2, [4, 0]]));

[1, 2, 4, 0]

[1, 2, [4, 0]]

CODE-

var array\_Clone = function(arra1) {

return arra1.slice(0);

};

console.log(array\_Clone([1, 2, 4, 0]));

console.log(array\_Clone([1, 2, [4, 0]]));

3.Write a JavaScript function to get the first element of an array. Passing a parameter 'n' will return the first 'n' elements of the array.

*Test Data* :

console.log(first([7, 9, 0, -2]));

console.log(first([],3));

console.log(first([7, 9, 0, -2],3));

console.log(first([7, 9, 0, -2],6));

console.log(first([7, 9, 0, -2],-3));

CODE-

var first = function(array, n) {

if (array == null)

return void 0;

if (n == null)

return array[0];

if (n < 0)

return [];

return array.slice(0, n);

};

console.log(first([7, 9, 0, -2]));

console.log(first([],3));

console.log(first([7, 9, 0, -2],3));

console.log(first([7, 9, 0, -2],6));

console.log(first([7, 9, 0, -2],-3));

4. Write a simple JavaScript program to join all elements of the following array into a string.

*Sample array* : myColor = ["Red", "Green", "White", "Black"];

CODE-

myColor = ["Red", "Green", "White", "Black"];

console.log(myColor.toString());

console.log(myColor.join());

console.log(myColor.join('+'));

5. 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];

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

var mf = 1;

var m = 0;

var item;

for (var i=0; i<arr1.length; i++)

{

for (var j=i; j<arr1.length; j++)

{

if (arr1[i] == arr1[j])

m++;

if (mf<m)

{

mf=m;

item = arr1[i];

}

}

m=0;

}

console.log(item+" ( " +mf +" times ) ") ;