**Kathy Dang**

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Setting and Swapping

var myNumber = 42;

var myName = "Kathy";

temp = myNumber;

myNumber = myName;

myName = temp;

console.log(myNumber);

console.log(myName);

Print -52 to 1066

function printIntegers() {

var arr = [];

for (var i = 0; i <= 1066; i++) {

arr.push(i);

}

return arr;

}

Don't Worry, Be Happy

function beCheerful () {

for(var i = 1; i < 99; i++) {

console.log("good morning!");

}

}

Multiples of Three - but Not All

function printMult() {

for(var i = 0; i <= 0; i + 3) {

if(i = -3 || i = -6) {

continue;

}

Printing Integers with While

var num = 2000;

while (num < 5281) {

console.log(num);

}

You Say It's Your Birthday

if (x == "birth month" && y = "birth day") {

console.log("How did you know?");

} else {

console.log("Just another day...");

}

Leap Year

function leapYear() {

if(var i %4 === 0 && i %400 === 0) {

console.log("It's a leap year!");

} else if(var i%100 != 0) {

console.log("Not a leap year.");

} else {

console.log("Def not a leap year");

}

Print and Count

var count = 0;

for(i = 512; i <= 4096; i++) {

if(i %5 === 0) {

console.log(i);

}

count = count + 1;

}

Multiples of Six

var num = 6;

while (num <= 60,000) {

if (num %6 === 0) {

console.log(num);

}

}

Counting, the Dojo Way

for(i=1; i<=100; i++) {

if(i %5 === 0) {

console.log("Coding");

} else if (i %5 === 0 && i %10 === 0) {

console.log("Dojo");

} else {

console.log(i);

}

}

What Do You Know?

function what(parameter) {

console.log("incoming");

}

what();

Whoa, That Sucker's Huge...

var sum = 0;

for(i=-300,000; i <= 300,000; i++) {

if(i %2 === 1) {

sum = sum + i;

}

console.log(sum);

Countdown by Fours (without a for loop)

var num = 2016;

while (num > 0) {

console.log(num);

num = num - 4;

}

Flexible Countdown

lowNum = 2;

highNum = 9;

mult = 3;

The Final Countdown

param1 = 3;

param2 = 5;

param3 = 17;

param4 = 9;

while x = (3, 5, 17, 9) {

console.log(6, 12, 15);

}

??

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Countdown

var arr = [];

function countDown(number) {

if (number < 0) {

for(var i = number; i <= 0; i--) {

arr.push(i);

}

}

return countDown;

}

Print and Return

var arr = [];

function printReturn(x,y) {

console.log(x);

return(y);

}

First Plus Length

var arr = [];

function firstLength(arr) {

if(arr[0] != 'number') {

arr[0] = 0 + arr.length;

} else {

arr[0] = arr[0] + arr.length'

}

console.log(arr[0]);

return arr;

}

Values Greater than Second

function greaterThanSecond(arr) {

var count = 0;

for(var i = 0; i > arr[1]) {

console.log(arr[i]);

count++

}

}

console.log(count);

return count;

}

Values Greater than Second, Generalized

var arr = [];

var count = 0;

function valuesGeneralized(arr) {

if(arr.length == 0) {

console.log("Empty array");

} else if (arr.length == 1) {

console.log("Only 1 element");

} else {

for(var i = 0; i > arr[1]; i++) {

arr.push(i);

}

}

}

console.log(arr);

return arr;

}

This Length, That Value

var arr = [];

function lengthValue(num1, num2) {

arr.push(num1, num2);

if (num1 == num2) {

console.log("Jinx!");

}

console.log(arr);

return arr;

}

Fit the First Value

function fitFirstValue(arr) {

if(arr[0] > arr.length) {

console.log("Too big!");

} else if(arr[0] < arr.length) {

console.log("Too small!");

} else {

console.log("Just right!");

}

}

Fahrenheit to Celsius

function fahrenheitToCelsius(fDegrees) {

var celsius = ((fDegrees - 32) \* 5/9);

console.log(celsius);

return celsius;

}

Celsius to Fahrenheit

function celsiusToFahrenheit(cDegrees) {

var fahrenheit = ((cDegrees \* 9/5) + 32);

console.log(fahrenheit);

return fahrenheit;

}

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Biggie Size

var arr = [];

function bigNumbers(arr) {

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

if(arr[i] < 0) {

arr[i] = arr[i];

} else {

arr[i] = "big";

}

}

console.log(arr);

return arr;

}

Print Low, Return High

var arr = [];

var high = arr[0];

var low = arr[0];

function lowHigh(arr) {

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

if(arr[i] < low) {

low = arr[i];

} else if(arr[i] > high) {

high= arr[i];

}

console.log(low);

return high;

}

Print One, Return Another

var odd = arr[0];

function oneAnother(arr) {

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

console.log(arr[arr.length - 1]);

if(arr[i] %2 == 1) {

odd = arr[i];

break;

}

}

return odd;

}

Double Vision

var newArr = [];

function doubleVision(arr) {

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

newArr.push(arr[i] \*2);

}

console.log(newArr);

return newArr;

}

Count Positives

var count = 0;

function countPositives(arr) {

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

if(i > 0) {

count = count + 1;

}

arr[arr.length] = count;

console.log(arr);

return arr;

}

Evens and Odds

function evensOdds(arr) {

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

if(arr[i] %2 == 1) {

odd++;

if(odd % arr[i]) {

console.log("That's odd!");

}

} else {

console.log("Even more so!");

}

}

}

Increment the Seconds

function incrementSeconds(arr) {

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

if(arr[i] %2 == 1) {

arr[i] = arr[i] + 1;

}

console.log(arr);

return arr;

}

Previous Lengths

function previousLengths(arr) {

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

if (type of arr[i] == "string") {

arr[i] = arr[i].length;

console.log("string");

} else {

console.log("not a string");

}

}

console.log(arr);

return arr;

}

Add Seven to Most

var newArr = [];

function addSeven(arr) {

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

if(arr[i] > arr[0]) {

newArr.push(arr[i] + 7);

}

}

console.log(newArr);

return newArr;

}

Reverse Array

function reverseValues(arr) {

var newArr = arr.reverse();

console.log(newArr);

}

Outlook: Negative

var newArr = [];

function outlookNegative(arr) {

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

if(arr[i] > 0) {

arr[i] = arr[i] \* -1;

newArr.push(arr[i]);

} else {

newArr.push(arr[i]);

}

}

console.log(newArr);

return(newArr);

}

Always Hungry

function alwaysHungry(arr) {

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

if(arr[i] == "food") {

console.log("yummy");

} else {

console.log("I'm hungry");

}

}

}

Swap Toward the Center

function swapCenter(arr) {

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

var temp = arr[i];

arr[i] = arr[arr.length -1 - i];

arr[arr.length -1 - i] = temp;

}

}

console.log(arr);

return arr;

}

Scale the Array

function scaleArray(arr, num) {

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

arr[i] = arr[i] \* num;

}

console.log(arr);

return(arr);

}