

 MENU

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ES6 Practice - Let, Const, Ar ow Functions, Default Arguments, Template Literals

03 JANUARY 2018

# and

let

const

Replace all the var s with let and const . Alter the code however necessary to make sure this continues to work (so the pet's name **isn't** "John" ).

John is the pet owner, and his name should be stored differently than the other names.

var name = "John"

var age = 101

var pets = ["cat", "dog"] var petObjects = []

function runForLoop() {

for (var i = 0; i < pets.length; i++) { var pet = { type: pets[i] }

if (pets[i] === "cat") { var name = "fluffy"

} else {

var name = "spot"

}

pet.name = name petObjects.push(pet)

}

return name

}

runForLoop()

# ES6 Arrow Functions

## Task 1

Re-write this using an arrow function:

.map()

Be aware that if JavaScript sees a { directly after the starting a function, and not starting an object, so the unexpected symbol.it will think it's will be an



=>



:

const carrots = ["bright orange", "ripe", "rotten"]

function mapVegetables(arr) {

return arr.map(function(carrot) {

return { type: "carrot", name: carrot }

})

}

## Task 2

Re-write this

.filter()

using an arrow function:

const people = [

{

name: "Princess Peach", friendly: false

},

{

name: "Luigi", friendly: true

},

{

name: "Mario", friendly: true

},

{

name: "Bowser", friendly: false

}

]

function filterForFriendly(arr) {

return arr.filter(function(person) { return person.friendly

})

}

## Task 3

Re-write the following functions to be arrow functions:

function doMathSum(a, b) {

return a + b

}

var produceProduct = function(a, b) {

return a \* b

}

## Task 4

Write a

printString

age

function that takes firstName , lastName , and as

parameters and returns a string like the following:

Hi Kat Stark, how does it feel to be 40?

should default to should default to

firstName

"Jane"

lastName

"Doe"

should default to

age

100

Extra Credit

Use template literals to build the string

## Task 5

Use the shorthand syntax to make the following filter take up one line. Copy and paste the array to test it.

const animals = [

{

type: "dog", name: "theodore"

},

{

type: "cat", name: "whiskers"

},

{

type: "pig", name: "piglette"

},

{

type: "dog", name: "sparky"

}

];

function filterForDogs(arr) {

return arr.filter(animal => {

if (animal.type === "dog") { return true

} else {

return false

}

})

}

# Template Literals

Using template literals, write a function that takes parameters and outputs a message formatted like this:

location

and

name

Hi Janice!

Welcome to Hawaii.

I hope you enjoy your stay. Please ask the president of Hawaii if you need anything.

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