# JavaScript Homework #1 – Destructing

What would the following lines of code output to the console? And explain why.

var foo = { bar: { deep: 'pony', dangerouslySetInnerHTML: 'lol' } }

var {bar: { deep, dangerouslySetInnerHTML: sure }} = foo

console.log(deep)

console.log(sure)

function es6 () {

var left = 10

var right = 20

if (right > left) {

[left, right] = [right, left]

}

}

var {foo} = {bar: 'baz'}

console.log(foo)

var key = 'such\_dynamic'

var { [key]: foo } = { such\_dynamic: 'bar' }

console.log(foo)

var [a] = []

console.log(a)

var [b=10] = [undefined]

console.log(b)

var [c=10] = []

console.log(c)

function getCoords () {

return {

x: 10,

y: 22

}

}

var {x, y} = getCoords()

console.log(x)

console.log(y)

function random ({ min=1, max=300 }) {

return Math.floor(Math.random() \* (max - min)) + min

}

console.log(random({}))

console.log(random({max: 24}))

To concatenate two strings through spread

To combine multiple arrays through spread

To select certain parameters over the others in a function

let { x, y, ...z } = { x: 1, y: 2, a: 3, b: 4 };

console.log(x);

console.log(y);

console.log(z);

function compare(a, b) {

    return a - b;

}

let result = compare(...[1, 2]);

console.log(result);

var rivers = ['Nile', 'Ganges', 'Yangte'];

var moreRivers = ['Danube', 'Amazon'];

rivers.push(...moreRivers);

console.log(rivers);

let chars = ['A', ...'BC', 'D'];

console.log(chars);