# Challenge #3

We have a nested object. We would like a function where you pass in the object and a key and

get back the value.

The choice of language and implementation is up to you.

# Solution:

The below JavaScript code will create a function that will accept an object and key and return the respective value of the key passed.

//nested object

let obj = {

    a: {

        b: {

            c: 'd'

        },

    },

    x: {

        y: 'z',

    }

};

function getObjectValues(object, key) {

    // split key using '.'.

    const keys = key.split('.');

    let obj = object;

    for (let ikey of keys) {

        for (let [objKey, value] of Object.entries(obj)) {

            if(!keys.includes(objKey)) { // returns true if a string contains a specified string.

                continue;

            }

            obj = value;

        }

    }

    return obj;

}

console.log(getObjectValues(obj, 'a.b.c'));

console.log(getObjectValues(obj, 'x.y'));