JS Challenge Pt. 2

# Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write Javascript code that accomplishes each task as shown. Use the following code for all prompts.

***DO NOT HARDCODE VALUES!*** *At no point should you have to write the values of their names.*

var people = [

{ name: 'bob',

cats: [{ name: 'mittens' },

{ name: 'freckles' } ] },

{ name: 'earl',

cats: [ { name: 'socks' },

{ name: 'shoes' } ] }

];

1: Use a ***for..in*** loop to log the following output ( you may only use one console.log() ):

Bob has a cat named: mittens

Bob has a cat named: freckles

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2: Use a ***for..of*** loop to log the following output ( you may only use one console.log() ):

Bob has a cat named: mittens

Bob has a cat named: freckles

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2: Use a ***.foreach()*** loop to log the following output ( you may only use one console.log() ):

Bob has a cat named: mittens

Bob has a cat named: freckles

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4: Use two nested ***for..in*** loops to log the following output ( you may only use one console.log() ):

1: mittens

2: freckles

3: socks

4: shoes

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5: Use any for loop to log the following output ( you may only use one console.log() ):

bob has 2 cats.

earl has 2 cats.

*(DO NOT HARDCODE VALUES! The program must count the number of cats they own)*

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6: Use any two types of for loop, an if statement, and a string variable to log the following output ( you may only use one console.log() ):

The cats’ names are: mittens, freckles, socks and shoes

*(please note, the program must know if the current element is the last possible element in order to add either a comma or the word “and”. You will need to figure out the length of the arrays combined)*

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