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| Sprint 9, Assignment 2.5 Please also update the doc name with correct numbers. | |
| Assignment type: JS Interactive | |
| Assignment name  Can remain the same as the assignment topic name, or…  can be created depending on the task in the active form, e.g. “Create your own X” | “Iterate over a Nested Object” |
| BDG Description\*  What is the task and why is it important?  In this part, it’s encouraged to think about storytelling and future job-specific context e.g. “You’ve been asked to help out X with Y. They want Z on their website, yet aren’t too sure on how to achieve it”.  Drawing on practical examples and adding context can increase a student's motivation and increase long term learning according to Instructional Design principles, because this helps to relate some familiar or existing knowledge to new bits of information.  This will appear in the course as text before a button, leading to the interactive platform assignment. | The head admin Elf is going to be very impressed: now that we have created keys for all of the elements in our kid objects, working with the data on Santa’s “customers” will be far easier. Use the handy ‘.keys’ method to see all of the keys you’ve created. Then, iterate over one of the children’s data using both a basic ‘for’ loop, and a combo ‘for’ + ‘.keys’ loop! |
| The Assignment  A short specific description of the assignment and tasks using bullet points that the student will need to do. | * Iterate object to find all keys * Create log-to-console instructions for all keys |

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| Steps  Step-by-step instructions on what the student should do. | | |  |
| Step # | Step  Write each small step of the task | At least 1x hint(s)  Write some text (not necessarily, but can also be a part of code if relevant) which would hint the student to figure out the correct step forward. | The correct output should be…  (if relevant to the task) |
| 1 | Use the '.keys' method to see those available for a given kid, the type of addresses they have, and those of that address. | Hint: the ‘.keys’ method belongs to the Object class | console.log(Object.keys(kid5))      console.log(Object.keys(kid5.address))      console.log(Object.keys(kid5.address.primary)) |
| 2 | Iterate over a 'kid' object (using a 'for' loop and the '.keys' method) to see the values you've stored in console. | Hint: if using just a ‘for’ loop, use \*in\*; if using the combo, use \*of\* | *//  Only using a 'for' loop*      for (let temporaryVariable in kid5) {          console.log(`The key ${temporaryVariable} has value ${kid5[temporaryVariable]}`);          }  *// Using 'for' loop + '.keys' method*      for (let temporaryVariable of Object.keys(kid5)) {          console.log(`The key ${temporaryVariable} has value ${kid5[temporaryVariable]}`);      } |
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