| Sprint 9, Assignment 8.5 Please also update the doc name with correct numbers. | |
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| Assignment type: JS Interactive | |
| Assignment name  Can remain the same as the assignment topic name, or…  can be phrased in the active/imperative voice(depending on the task), e.g. “Create your own X” | “Debugging” |
| Description  The essential tasks a student must perform in order to complete the assignment | Your friend was asked to do a “whiteboarding” challenge for a job interview. They were *supposed* to write a loop that could check an array for duplicate numbers … but they keep getting errors. Given all that you’ve learned so far, see if you can pitch-in and help them work out the bugs so their code runs successfully!  Node: try reading the errors of your console before checking our hints - not only is this an excellent skill to develop, but the errors can be very helpfully-written (usually …)! |
| Link to full code file (Answer)  Push a full code file to our [GitHub repo](https://github.com/bitdegree-foundation/academy-assignments-code-files) for this sprint’s assignment and paste a link to that file here. Please write the file in a concise and clear format, according to the “[example-js-code-file](https://github.com/bitdegree-foundation/academy-assignments-code-files/blob/master/example-js-code-file.js)” found in our repo. |  |

| # | Step  Write each small step of the task. These assignments should be doable by students on their own (without any BitDegree instructor help). It can be any number of steps, but keep them pretty clear and separate (don’t combine 2 steps into 1 step). | 1x hint  Write brief text or partial code that would help the student figure out how to move forward or accomplish the given step. | Output (if relevant to the step) Our platform will be able to run the code and check the output |
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| 1 | Check for spelling errors | Hint: how was the variable "array" originally spelled? What about "console"? |  |
| 2 | Make sure every starting bracket, curly brace etc has a matching end bracket, curly brace etc | Hint: has the inner 'for' loop been closed off? |  |
| 3 | Do all the lines of code that need a ';' have one? | Hint: check lines 7, 8, 11, 14, 16, & 17 |  |
| 4 | Fix these log statements - they aren't very helpful right now | Hint: your friend may be more familiar with another code language - do you concatenate with '#' signs?  Hint: what kind of single quotes are those? Are they back-ticks? |  |
| 5 | Fix the 'infinite' loop | Did your friend check for equivalence on line 15? ... or reset the variable? |  |
| 6 | Check what the loop is evaluating | Hint: Is the loop reading each element of the array? ... or just the index #? |  |
| 7 | One more problem ... is the loop catching \*both\* duplicates? Why isn't it catching the first one? | Hint: at what index is the outer loop starting? |  |
| ... |  |  |  |