Unit 4 Project 1: JSON

Purpose: To demonstrate how to parse JSON

Build a website that stores jokes in a JSON file, each joke needs a setup and a punchline. The website will need to use a fetch to access the data from the file. You will need to parse the incoming data into an array of joke objects. After building the array of joke objects you will need to pick one joke randomly and output it to the console. Make sure that you put each joke into a joke object using a class.

* ~~JSON: Build JSON file call it “jokes.json”.~~
* ~~HTML: Build an html page that has the name of assignment and one sentence explaining the program.~~
* ~~Joke Class: Build a class with a constructor. Include two attributes: setup and punchline. Add a method called “tellJoke” that returns a template that has the setup and the punchline. Make sure to export the class.~~
* Script: ~~Import the Joke class.~~ Parse the JSON file and build an array of Joke objects. Pick a joke with a random index. Then write this joke out to the console using the Joke’s built-in method.
* ~~CSS: Optional use ChatGPT to style your page. Make sure to include a comment that credits Chatbot.~~

## Rubric:

This project will be graded on functionality. You will only receive points for features that work. If there is a runtime error at the start you will not receive any points.

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|  | Unsatisfactory | Below Standard | Meets Standard |
| JSON File | JSON file was not built **0pts.** | JSON file was built but did not have 5 ore more joke. JSON file had miss match names. **2pts.** | JSON file had no errors and had at least 5 Jokes. **4pts.** |
| Joke Object | Joke object was not built**. 0pts.** | Joke object was built but did not export or did not include sayJoke() method. **1pt.** | Joke object was built and exported. Method was built. **2pts.** |
| Building Array of Jokes | JSON file was not read in or put into array. **0pts.** | JSON data was retrieved but not put into array of Joke objects. **4pts.** | JSON data was parsed into an array of Joke Objects. **8pts.** |
| Picking Random Joke | Random number not generated. A random number not used to pick joke from array. **0pts.** | A random number is made but number is not used to pick joke. **1pt.** | Random joke is picked using Math.random. **2pts.** |
| Displaying Joke | Joke is not displayed. Or all Jokes displayed. **0pts.** | A joke was displayed but not by using method built into Joke object. **1pts.** | A joke is displayed by using joke objects built in tellJoke() method. **2pts.** |
| Coding Standards | Files are named correctly. No comments present. No functions where made. **0pts.** | Very little comments. The code was not DRY. **1pt.** | Code was commented and DRY **2pts.** |
| Total: |  | | **20pts.** |