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IST 303 Spring 2025

Team Exercise #2

Issues & Tasks

task # description assignment solution

#	Description	Assignment	Solution
1	We noticed a lot of lines of code can be simplified into a single function		Removed redundant code and instead created functions that were referenced as needed.

- creation of tasks
    - Found redundant code
- assignment of tasks
    - Chen

#	Description	Solution
2 Redundant Time Measurement	Time calculation is manually calculated in each function, rather than using decorator function.	Created contextmanager decorator.

- creation of tasks
    - Found redundant measurements
    - Defined function to be substituted
- assignment of tasks
    - Marcus

#	Description	Solution
3	When specifying savings directory, it does not explicitly check if the directory already exists.	Function checks if directory exists, if it doesn't it builds it.

- creation of tasks
  - identify spot of code that needs to be written
  - write new code
- assignment of tasks
  - Chen

#	Description	Solution
4	Duplicate Wikipedia search call every time, and then passed	Wikipedia is instead only called once, and is passed to each function.

- creation of tasks
  - Reviewed code, and translated into english
- assignment of tasks
  - James

#	Description	Solution
5	Vague search. Wikipedia library does not handle vague search terms.	Create a try/except where if a vague term is used, it will notify the user that a more detailed term needs to be used.

- creation of tasks
  - Write try/except code for identifying more specific search term
- assignment of tasks
  - James

#	Description	Solution
6	Convert to string is doing unnecessary work	Using the join command the output is already a string

- creation of tasks
  - Identify redundant code.
  - Re-write using function that outputs as strings
- assignment of tasks
- Chen