

PHP Assignments

General Implementation Requirements

- **Programming Language:** Please use PHP to write the functions ([free online PHP editor](#)).
- **No AI Usage:** Please do not use any AI tools like chatGPT or Gemini etc., you can use Google (search).
- **Clean Code:** Ensure that your code is clean, modular, and easy to read. Avoid redundant code, and include comments where necessary to explain logic (don't over do it).
- **Optimize for Readability and Efficiency:** Use efficient data structures that optimize for both clarity and performance.

Task 1: Reorder Sentences in a Paragraph by Custom Length Order

Objective

Write a function that accepts a paragraph and reorders all sentences according to their lengths (characters) in ascending order.

Instructions

- **Input & Output Requirements**
 - **Input:** A single paragraph (string) containing multiple sentences. Sentences may include punctuation.
 - **Output:** A string with the sentences reordered according to their lengths (shortest to longest), with punctuation retained.

Example

Given the paragraph:

"The sun shines brightly. It brings warmth and joy to everyone. Today is a beautiful day. People gather in parks to enjoy the weather."

Result:

"The sun shines brightly. Today is a beautiful day. It brings warmth and joy to everyone. People gather in parks to enjoy the weather."

Task 2: Reorder Words in a Paragraph by Custom Alphabetical Order

Objective

Write a function that accepts a paragraph and reorders all words according to the following custom alphabetical order (ordered by equivalent Hebrew letters):

A, B, G, D, H, V, Z, T, Y, L, M, N, S, P, Q, R, I, C, K, E, F, J, O, U, W, X

Instructions

➤ Input & Output Requirements

- Input: A single paragraph (string) containing multiple words separated by spaces. Words may include punctuation, (which should be removed in the result).
- Output: A string with the words reordered according to the custom alphabetical order (case insensitive), with no punctuation.

Example

Given the paragraph:

"The big brown dog happily chased the yellow ball across the grassy field. It jumped high, barking excitedly. Nearby, a curious cat watched from a distance. The sun was shining brightly, adding warmth to the scene. This was a perfect day for playing outside."

Result:

"a a a adding across ball barking brightly brown big grassy day distance dog happily high This The the the The the to yellow Nearby shining scene sun playing perfect It cat chased curious excitedly from field for jumped outside watched was was warmth"