**Simple Documentation for Code Implementations**

**1. Luhn Algorithm for Credit Card Validation**

**What it Does:**

This function checks if a credit card number is valid using the **Luhn Algorithm**. The algorithm follows a set of steps to verify if the card number is correct.

**How it Works:**

1. It removes spaces from the card number.
2. It reverses the number and processes every second digit by doubling it.
3. If the doubled number is greater than 9, it subtracts 9 from it.
4. It sums all the numbers and checks if the total is a multiple of 10.
5. If the total is a multiple of 10, the card number is valid.

**2. Remove Punctuation from a String**

**What it Does:**

This function removes all punctuation marks from a given string.

**How it Works:**

1. It checks each character in the string.
2. If the character is **not** a punctuation mark, it adds it to the final result.
3. The function returns the cleaned string without any punctuation.

Example:

* Input: "Hello, World! How's it going?"
* Output: "Hello World Hows it going"

**3. Sort Words Alphabetically (Without Using sort())**

**What it Does:**

This function sorts a list of words in **alphabetical order** without using Python’s built-in sorting functions.

**How it Works:**

1. It compares each word with others in the list based on their **ASCII values**.
2. It swaps the words if they are in the wrong order.
3. It keeps checking and swapping until all words are sorted alphabetically.

Example:

* Input: ["banana", "apple", "cherry", "date"]
* Output: ["apple", "banana", "cherry", "date"]