**LUHN Algorithm Code**

This is a simple python program which implements the Luhn Algorithm, by which we can check that the credit card is valid or not.

* Take the credit card number as a list of digits.
* Removes the last digit (check digit) to validate the remaining number.
* Reverses the list so that processing starts from the rightmost digit.
* Doubles every second digit (even index after reversing).
* If a doubled number is 9 or greater, subtracts 9 to keep it a single digit.
* Computes the sum of all processed digits and adds the previously removed checkdigit.
* Checks if the final sum is a multiple of 10, indicating a valid card number.
* Prints the card is valid if it passes the Luhn check, otherwise the card is invalid.