

Task 4

Explanation:

1. Luhn Algorithm (Card Validation)

Checks if a card number is valid.

Reverses digits, doubles every second one, subtracts 9 if >9 .

If the sum is divisible by 10 \rightarrow Valid Card, else Invalid Card.

2. Remove Punctuation

Removes symbols like .,!?" from text.

“Hello, world!” \rightarrow “Hello world”

3. Sort Words in a Sentence

Arranges words in alphabetical order.

“The quick fox” \rightarrow “fox quick The”