def luhn(card\_number):

    card\_number = [int(digit) for digit in str(card\_number)]

    checksum = 0

    odd\_digits = card\_number[-1::-2]

    even\_digits = card\_number[-2::-2]

    checksum += sum(odd\_digits)

    for digit in even\_digits:

        checksum += sum(divmod(digit \* 2, 10))

    return checksum % 10 == 0

print(luhn(4532015112830366))

True

def remove\_punctuations(string):

    punctuation\_chars = "!@#$%^&\*()\_-+=<>?.,;:[]{}|\n\t"

    result = ""

    for char in string:

        if char not in punctuation\_chars:

            result += char

    return result

user\_input = "DONE."

result = remove\_punctuations(user\_input)

print(result)

DONE

def alphabetical\_sort(words):

    sorted\_words = []

    while words:

        smallest = words[0]

        for word in words:

            if word < smallest:

                smallest = word

        sorted\_words.append(smallest)

        words.remove(smallest)

    return sorted\_words

words\_list = ["ufone", "zong", "jazz"]

print(alphabetical\_sort(words\_list))

['jazz', 'ufone', 'zong']