#caesar cipher

alphabet = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z', 'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z']

def caesar(start\_text, shift\_amount , cipher\_direction):

    end\_text = ""

    if cipher\_direction == "decode":

        shift\_amount \*= -1

    for char in start\_text:

        if char in alphabet:

            position = alphabet.index(char)

            new\_position = position + shift\_amount

            end\_text += alphabet[new\_position]

        else:

            end\_text += char

    print(f"The {cipher\_direction}d text is {end\_text}")

should\_continue = True

while should\_continue:

    direction = input("Type 'encode' to encrypt, type 'decode' to decrypt:\n")

    text = input("Type your message:\n").lower()

    shift = int(input("Type the shift number\n:"))

    shift = shift % 26

    caesar(start\_text=text, shift\_amount=shift, cipher\_direction=direction)

    result = input("Type 'yes' to continue , otherwise 'no' \n")

    if result == 'no':

        should\_continue = False

        print("GoodBye!")