def encode\_text(text)

    words = text.split()

    sentence = ''

    Loop through each word with its index using enumerate

    for i, word in enumerate(words):

        if len(word) > 1:

            encoded\_word = word[-1] + word[:-1]

            sentence += encoded\_word

            sentence += ' '

        else:

            encoded\_word = word

    return sentence

def decode\_text(text):

    words = text.split()

    sentence = ''

    for i, word in enumerate(words):

        if len(word) > 1:

            # Move the first letter to the end

            decoded\_word = word[1:] + word[0]

            sentence += decoded\_word

            sentence += ' '

        else:

            decoded\_word = word

    return sentence

def main():

    while True

            choice=input("Enter the choices Encode/Decode/Exit:")

            if choice=="Encode":

              input\_text=(input("Enter the text:"))

              print("Encoded Text:",encode\_text(input\_text))

            elif choice=="Decode":

                print("Decoded Text:",decode\_text(encode\_text(input\_text)))

            elif choice=="Exit":

                print("Exiting the program")

            else:

                print("Invalid choice")

            main()