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def Cezar():

def choice():

userChoice = input("Czy chcesz zakodowac czy odkodowac wiadomosc? Wybierz Z lub O ").lower()

if userChoice == "z":

return userChoice

elif userChoice == "o":

return userChoice

else:

print("Nieprawidlowa odpowiedz. Sprobuj ponownie")

choice()

def getMessage():

userMessage = input("Wpisz swoja wiadomosc: ")

return userMessage

def getKey():

try:

userKey = int(input("Wpisz numer od 1 do 26: "))

except:

print("Nieprawidlowa odpowiedz. Sprobuj ponownie")

getKey()

else:

if userKey < 1 or userKey > 26:

print("Nieprawidlowa odpowiedz. Sprobuj ponownie")

getKey()

else:

return userKey

def getTranslated(userChoice, message, key):

translated = ""

if userChoice == "z":

for character in message:

num = ord(character)

num += key

translated += chr(num)

savedFile = open('Encrypted.txt', 'w')

savedFile.write(translated)

savedFile.close()

return translated

else:

for character in message:

num = ord(character)

num -= key

translated += chr(num)

return translated

userChoice = choice() #Runs function for encrypt/decrypt selection. Saves choice made.

message = getMessage() #Run function for user to enter message. Saves message.

key = getKey() #Runs function for user to select key. Saves key choice.

translatedMessage = getTranslated(userChoice, message, key) #Runs function to translate message, using the choice, message and key variables)

print("\nTranslation complete: " + translatedMessage)

Cezar()