# encoding:utf-8

from Crypto.Cipher import DES3

import base64

# mode ECB , fill mode PKCS5Padding

BS = DES3.block\_size

pad = lambda s: s + (BS - len(s) % BS) \* chr(BS - len(s) % BS)

unpad = lambda s : s[0:-ord(s[-1])]

'''

DES3 encryption

Text string to be encrypted

Key key, using appsecret

'''

def encrypt(text, key):

text = pad(text)

cipher = DES3.new(key,DES3.MODE\_ECB)

m = cipher.encrypt(text)

m = base64.b64encode(m)

return m.decode('utf-8')

'''

DES3 decryption

Decrypted\_text decrypts the string

Key key, using appsecret

'''

def decrypt(decrypted\_text, key):

text = base64.b64decode(decrypted\_text)

cipher = DES3.new(key, DES3.MODE\_ECB)

s = cipher.decrypt(text)

s = unpad(s)

return s.decode('utf-8')

if \_\_name\_\_ == '\_\_main\_\_':

print encrypt('Hello','1234567887654321')

print decrypt('qO8nDeYzqTs=','1234567887654321')