1:

def encode2(message, key):

alpha="abcdefghijklmnopqrstuvwxyz"

rest = ""

for letter in alpha:

if not(letter in key):

rest = rest + letter

alpha2 = rest+key

secret = ''

message = message.lower()

for letter in message :

if letter.lower() in alpha:

i = alpha.find(letter)

secret = secret + alpha2[i]

return secret

>>> encode2('Alan Turing defined computing', 'turing')

>>> 'aoaqztxkqhdefkqedcspvtzkqh'

2:

def encode3(message, key):

alpha="abcdefghijklmnopqrstuvwxyz"

rest = ""

for letter in alpha:

if not(letter in key):

rest = rest + letter

revAlpha = ""

for i in range(len(rest)-1, -1,-1):

revAlpha = revAlpha+rest[i]

alpha2 = key+revAlpha

secret = ''

message = message.lower()

for letter in message :

if letter.lower() in alpha:

i = alpha.find(letter)

secret = secret + alpha2[i]

return secret

>>> encode3("Alan Turing defined computing", "turing")

>>>'tstphfkxpzingxpniroqmfhxpz'

>>> encode3("Ada Lovelace, first programmer'", "earth")

>>>'etesoghserhzwlkjnloyleqqhl'

3: #3

4: #4

5:

def spaces(stuff):

spaced = ""

for char in stuff:

spaced = spaced + char + " "

print spaced

6:

def spaces2(stuff):

spaced = ""

for char in stuff:

if char == " ":

spaced = spaced + char + " "

else:

spaced = spaced + char

print spaced