The following functions may be useful for the questions on classical ciphers:

en\_alphabet = "abcdefghijklmnopqrstuvwxyz"

#

# This function converts a single character into its numeric value

#

def is\_alphabetic\_char(c):

return (c.lower() in en\_alphabet)

#

# This function returns true if and only if the character c is an alphabetic character

#

def char\_to\_num(c):

return en\_alphabet.index(c.lower())

#

# This function returns returns the character corresponding to x mod 26

# in the english alphabet

#

def num\_to\_char(x):

return en\_alphabet[x % 26]