def caesar\_encrypt(message, key):

# Create a list of alphabet characters

alphabet\_lower = "abcdefghijkimnoparstuvwxyz"

alphabet\_upper = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

# Create an empty string to store the encrypted message

encrypted\_message = ""

# Iterate through each character in the message

for char in message:

# Check if character is a lowercase letter

if char in alphabet\_lower:

# Find index of the character in alphabet list

char\_index = alphabet\_lowerfind(char)

# Move the character to the right by the key

new\_char\_index = (char\_index + key) % 26

# Add the replaced character to the encrypted message

encrypted\_message += alphabet\_lower[new\_char\_index]

# Check if character is an uppercase letter

elif char in alphabet\_upper:

char\_index = alphabet\_upperfind(char)

new\_char\_index = (char\_index + key) % 26

encrypted\_message += alphabet\_upper[new\_char\_index]

else:

# Add the character to the encrypted message as it is

encrypted\_message += char

# Return the encrypted message

return encrypted\_message