fileHandle = open("filename.txt", "w+")

fileHandle.write("Hello This Is Our File")

fileHandle.close()

def encripted (string, shift):

    # def is a function to define somethong which is a string in our case

    cipher = ''

    # there is nothing inside of the string because it means that the string is an empty

    for character in string:

        # We are substituting character for string. Think of it like let character reperstent string.

        if character == ' ':

            #Same thing as comment on line 4

            cipher = cipher + character

            # cipher will add the number of characters

        elif character .isupper():

            cipher = cipher + chr((ord(character)+ shift - 65 )% +26 + 65)

            #The line number 11 and 12 is saying if the charcters are UpperCase, then add subtract 65. We use the number 65 because thats when all the UpperCase letters start. %26 is part of the formula: c = (x-n)%26. And finally we add back 65 to our line/message

        else:

            cipher = cipher + chr((ord(character)+ shift - 97 )%26 + 97)

            #The Line Number 15 and 16 is saying the same thing as line 13 but, we subtract 97 because thats when the lowercase letters start.

    return cipher

text = input("Enter A Message: ")

x = int(input("Enter A Shift Key: "))

print("The Original Text Was:", text)

print("The Encrypted Message Is:",encripted(text,x))

#c = (x-n)%26 is the formula for cipher

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