#A python program to illustrate Caesar Cipher Technique

def encrypt(text,s):

result = ""

# traverse text

for i in range(len(text)):

char = text[i]

# Encrypt uppercase characters

if char == ' ':

result += " "

continue

if (char.isupper()):

result += chr((ord(char) + s-65) % 26 + 65)

# Encrypt lowercase characters

else:

result += chr((ord(char) + s - 97) % 26 + 97)

return result.upper()

def decrypt(text,s):

result = ""

# traverse text

for i in range(len(text)):

char = text[i]

if char == ' ':

result += " "

continue

# Encrypt uppercase characters

if (char.isupper()):

result += chr((ord(char) - s-65) % 26 + 65)

# Encrypt lowercase characters

else:

result += chr((ord(char) - s - 97) % 26 + 97)

return result.upper()

#Driver code

print("MENU")

print("1) Encode a string")

print("2) Decode a string")

print("Q) Quit")

print("Enter your selection ==>", end=" ")

choice = input()

while(choice != 'Q'):

if choice == '1':

print("\nEnter (Brief) text to decrypt:",end=" ")

text = input()

shift = int(input("Enter the number of shifts letter by: "))

encrypt\_text = encrypt(text,shift)

print("Encrypted: "+encrypt\_text)

if choice == '2':

print("\nEnter (Brief) text to decrypt:",end=" ")

text = input()

shift = int(input("Enter the number of shifts letter by: "))

decrypt\_text = decrypt(text,shift)

print("Decrypted: "+decrypt\_text)

print("\nMENU")

print("1) Encode a string")

print("2) Decode a string")

print("Q) Quit")

print("Enter your selection ==>", end=" ")

choice = input()