def caesar\_cipher\_encrypt(text, shift):

encrypted\_text = ""

for char in text:

if char.isalpha():

shift\_base = 65 if char.isupper() else 97

encrypted\_text += chr((ord(char) - shift\_base + shift) % 26 + shift\_base)

else:

encrypted\_text += char

return encrypted\_text

def caesar\_cipher\_decrypt(text, shift):

decrypted\_text = ""

for char in text:

if char.isalpha():

shift\_base = 65 if char.isupper() else 97

decrypted\_text += chr((ord(char) - shift\_base - shift) % 26 + shift\_base)

else:

decrypted\_text += char

return decrypted\_text

def main():

print("Caesar Cipher")

choice = input("Would you like to encrypt or decrypt a message? (e/d): ").lower()

if choice not in ('e', 'd'):

print("Invalid choice!")

return

text = input("Enter your message: ")

shift = int(input("Enter the shift value: "))

if choice == 'e':

result = caesar\_cipher\_encrypt(text, shift)

print("Encrypted message:", result)

elif choice == 'd':

result = caesar\_cipher\_decrypt(text, shift)

print("Decrypted message:", result)

if \_\_name\_\_ == "\_\_main\_\_":

main()