def caesar\_cipher(text, shift, mode='encrypt'):

if mode.lower() == 'decrypt':

shift = -shift

for char in text:

if char.isupper():

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

elif char.islower():

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

else:

result += char

return result

def main():

print("Caesar Cipher Program")

print("---------------------")

while True:

print("\nOptions:")

print("1. Encrypt text")

print("2. Decrypt text")

print("3. Exit")

choice = input("Enter your choice (1-3): ")

if choice == '1':

text = input("Enter text to encrypt: ")

shift = int(input("Enter shift value (1-25): "))

encrypted = caesar\_cipher(text, shift, 'encrypt')

print(f"Encrypted text: {encrypted}")

elif choice == '2':

text = input("Enter text to decrypt: ")

shift = int(input("Enter shift value (1-25): "))

decrypted = caesar\_cipher(text, shift, 'decrypt')

print(f"Decrypted text: {decrypted}")

elif choice == '3':

print("Exiting program...")

break

else:

print("Invalid choice. Please enter 1, 2, or 3.")

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

main()