Experiment 1(ceaser cipher)

**Code:**

def encrypt(text, s):

result = ""

for i in range(len(text)):

char = text[i]

if char.isupper():

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

elif char.islower():

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

else:

result += char # Leave non-alphabetic characters unchanged

return result

def decrypt(text, s):

return encrypt(text, -s)

choice = input("Do you want to Encrypt or Decrypt? (e/d): ").lower()

if choice not in ['e', 'd']:

print("Invalid choice. Please enter 'e' to encrypt or 'd' to decrypt.")

else:

text = input("Enter your message: ")

shift = int(input("Enter shift value (0-25): "))

if choice == 'e':

print("Encrypted text:", encrypt(text, shift))

else:

print("Decrypted text:", decrypt(text, shift))

**sample output:**

Do you want to Encrypt or Decrypt? (e/d): e

Enter your message: YOGANANDA

Enter shift value (0-25): 4

Encrypted text: CSKERERHE