```
def caesar_cipher_encrypt(text, shift):
    result = ""

    # Traverse through the text
    for char in text:
        # Encrypt uppercase characters
        if char.isupper():
            result += chr((ord(char) + shift - 65) % 26 + 65)
        # Encrypt lowercase characters
        elif char.islower():
            result += chr((ord(char) + shift - 97) % 26 + 97)
        # Non-alphabetic characters remain the same
        else:
            result += char

    return result

def caesar_cipher_decrypt(text, shift):
    return caesar_cipher_encrypt(text, -shift)

def main():
    choice = input("Do you want to encrypt or decrypt? (e/d): ").strip().lower()
    if choice not in ['e', 'd']:
        print("Invalid choice! Please choose 'e' for encryption or 'd' for decryption.")
        return

    text = input("Enter your message: ").strip()
    shift = int(input("Enter the shift value: ").strip())

    if choice == 'e':
        encrypted_text = caesar_cipher_encrypt(text, shift)
        print(f"Encrypted message: {encrypted_text}")
    else:
        decrypted_text = caesar_cipher_decrypt(text, shift)
        print(f"Decrypted message: {decrypted_text}")

if __name__ == "__main__":
    main()
```

Start coding or generate with AI.