**NAME:**AMAN KUMAR RANJAN

**ROLL NO:** 16132

**Practical-1 :**

defcaesar\_cipher\_encrypt(text, shift):

    encrypted\_text=""

    forcharintext:

        ifchar.isalpha():

            shift\_base=ord('A') ifchar.isupper() elseord('a')

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

        else:

            encrypted\_text+=char

    returnencrypted\_text

defcaesar\_cipher\_decrypt(text, shift):

    returncaesar\_cipher\_encrypt(text, -shift)

defcaesar\_cipher\_menu():

    whileTrue:

        print("\nCaesar Cipher Menu")

        print("1. Encrypt")

        print("2. Decrypt")

        print("3. Exit")

        choice=input("Enter your choice: ")

        ifchoice=='1':

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

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

            encrypted\_text=caesar\_cipher\_encrypt(text, shift)

            print(f"Encrypted Text: {encrypted\_text}")

        elifchoice=='2':

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

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

            decrypted\_text=caesar\_cipher\_decrypt(text, shift)

            print(f"Decrypted Text: {decrypted\_text}")

        elifchoice=='3':

            break

        else:

            print("Invalid choice! Please try again.")

# Call the Caesar Cipher Menu

caesar\_cipher\_menu()

**OUTPUT**  
  
