PROGRAM 4 EXP 1d

ENCRYPTION AND DECRYPTION

Using fernet library for encrypt and decrypt

from cryptography.fernet import Fernet

key=Fernet.generate\_key()

f=Fernet(key)

token=f.encrypt(b"Hi Hello")

token

b'...'

f.decrypt(token)

b'Hi Hello'

key=Fernet.generate\_key()

cipher\_suite=Fernet(key)

plain\_text=b"Hi Hello"

cipher\_text=cipher\_suite.encrypt(plain\_text)

#decrypt data

decrypted\_text=cipher\_suite.decrypt(cipher\_text)

print("Original Data: ",plain\_text)

print("Encrypted Data: ",cipher\_text)

print("Decrypted Data: ",decrypted\_text)

OUTPUT:

