EX 1.D ENCRYPTION AND DECRYPTION

from cryptography .fernet import Fernet

key=Fernet.generate\_key()

f=Fernet(key)

token=f.encrypt(b"FDS")

token

b'....'

f.decrypt(token)

b'FDS'

key=Fernet.generate\_key()

cipher\_suite=Fernet(key)

plain\_text=b"FDS"

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

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

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

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

print("Decrypted data :",decrypt\_text)

output:

Original data : b'FDS'

Encrypted data : b'gAAAAABmtESKNjxunWprLQycxQXrnokpTgBI6TnwB9X8y8sjxgTmMdglDK3250m561QkcqeN6sQBG0-FVRR5cim3vnwHCUwk8g=='

Decrypted data : b'FDS'