Encrypt and decrypt given sensitive data Use the cryptography library fernet.

**Exp No:1.d** Conduct an experiment to encrypt and decrypt given sensitive data. **Description**: Use the cryptography library to encrypt and decrypt a piece of data. **CODE:**

# Generate key and encrypt data

from cryptography.fernet import Fernet key = Fernet.generate\_key()

f = Fernet(key)

token = f.encrypt(b"Greatest Of All Time") token

b'...'

f.decrypt(token) b'Greatest Of All Time'

key = Fernet.generate\_key() cipher\_suite = Fernet(key) plain\_text = b"Greatest Of All Time."

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:**

