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'''Conduct an experiment to encrypt and decrypt given sensitive data Use the
 In [ ]:
         cryptography library fernet.'''
 In [1]: pip install cryptography
         Requirement already satisfied: cryptography in c:\users\dell\anaconda3\lib\site-pa
         ckages (39.0.1)
         Requirement already satisfied: cffi>=1.12 in c:\users\dell\anaconda3\lib\site-pack
         ages (from cryptography) (1.15.1)
         Requirement already satisfied: pycparser in c:\users\dell\anaconda3\lib\site-packa
         ges (from cffi>=1.12->cryptography) (2.21)
         Note: you may need to restart the kernel to use updated packages.
In [10]: from cryptography.fernet import Fernet, MultiFernet
         key1 = Fernet(Fernet.generate_key())
In [32]:
         key2 = Fernet(Fernet.generate_key())
         f=MultiFernet([key1,key2])
         tok=f.encrypt(b"Hi this is meenakshi")
In [20]:
         print(tok)
         b'gAAAAABmtEMEGqwo0NhXbdCmb8eYqiAJliOrRRxFOBcLrk6DNMEZ62U9BZm4UCAyE9_a8GH4VRRpgLEF
         Lgcm34 UzoRD5QVkQSbY3njV LGbvkTurgwG8Vw='
In [21]: text=f.decrypt(tok)
In [7]: print(text)
         b'Hi this is meenakshi'
         print(text.decode())
In [15]:
         Hi this is meenakshi
In [29]: from cryptography.fernet import Fernet, MultiFernet
         key1 = Fernet.generate key()#key generation
         f=Fernet(key1)#key's object
         tok=f.encrypt(b"Hi this is my first encryption")#encrption
         print(tok)#cypher text
         b'gAAAAABmtEMr4Tgqkop2q5SM9xs7sgEYf1pc4aE3pjmVxx72w3RwTJIg6ePSRWvmbBouohV60IOA1YYk
         rvCdPtxKYgrIoPDPERq9kk2uuOeMR zmZhZhf-4='
In [30]: text=f.decrypt(tok)
         plain_txt=text.decode()
In [31]:
         print(plain_txt)
         Hi this is my first encryption
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