from Crypto.Cipher import AES

from Crypto.Util.Padding import pad, unpad

key = b'1234567887654321'

data = b'sinhgad academy'

padded\_data = pad(data, AES.block\_size)

cipher = AES.new(key, AES.MODE\_ECB)

encrypted\_data = cipher.encrypt(padded\_data)

decrypted\_data = cipher.decrypt(encrypted\_data)

unpadded\_data = unpad(decrypted\_data, AES.block\_size)

print("Original Data:", data)

print("Padded Data:", padded\_data)

print("Encrypted Data:", encrypted\_data)

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

print("Unpadded Data:",unpadded\_data)