|  |
| --- |
| # Menggunakan XOR untuk enkripsi |
|  |  | def encrypt(plaintext, key): |
|  |  | ciphertext = "" |
|  |  | for i in range(len(plaintext)): |
|  |  | ciphertext += chr(ord(plaintext[i]) ^ ord(key[i % len(key)])) |
|  |  | return ciphertext |
|  |  |  |
|  |  | # Menggunakan XOR untuk deskripsi |
|  |  | def decrypt(ciphertext, key): |
|  |  | plaintext = "" |
|  |  | for i in range(len(ciphertext)): |
|  |  | plaintext += chr(ord(ciphertext[i]) ^ ord(key[i % len(key)])) |
|  |  | return plaintext |
|  |  |  |
|  |  | # Mencoba enkripsi dan deskripsi |
|  |  | plaintext = "Halo, ini adalah teks asli" |
|  |  | key = "sandi" |
|  |  |  |
|  |  | ciphertext = encrypt(plaintext, key) |
|  |  | print("Teks terenkripsi:", ciphertext) |
|  |  |  |
|  |  | decrypted = decrypt(ciphertext, key) |
|  |  | print("Teks yang didekripsi:", decrypted) |