

# Kriptografi

## Electro Codebook

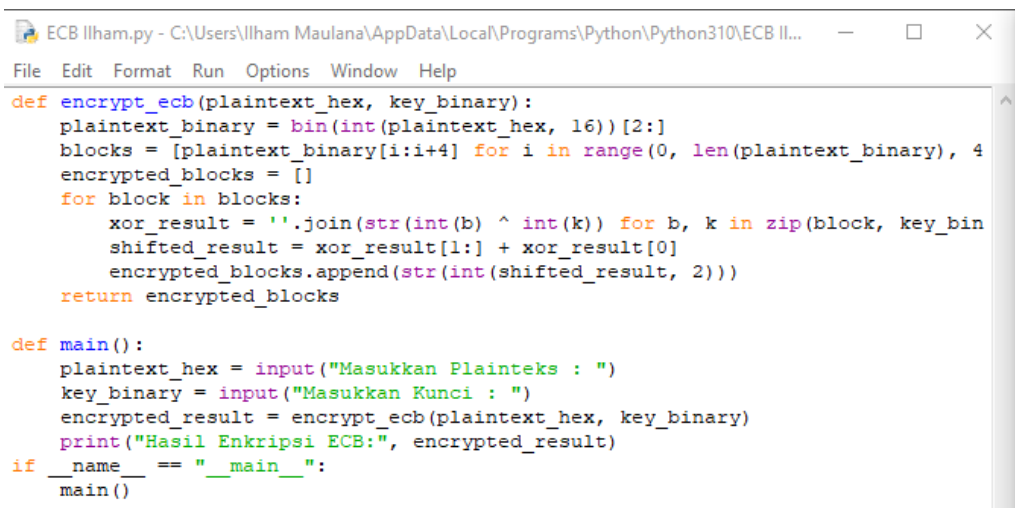
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Kelas : TI.21.A.1

Dosen : Muhammad Najamuddin Dwi Miharja, S.Kom, M.Kom

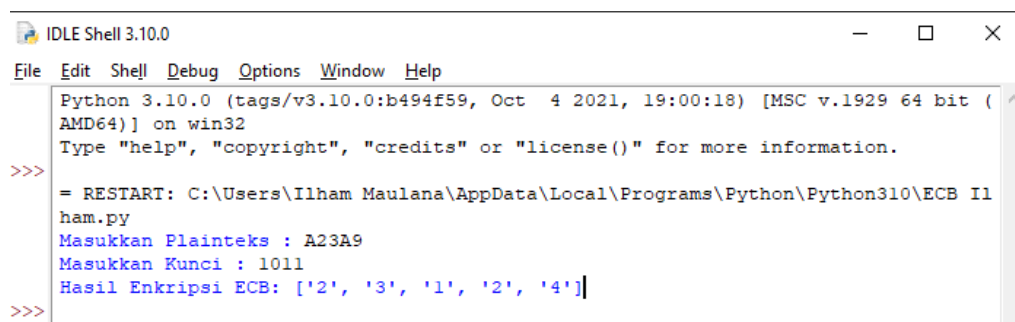
Kodingan :



```
ECB Ilham.py - C:\Users\Ilham Maulana\AppData\Local\Programs\Python\Python310\ECB Il...
File Edit Format Run Options Window Help
def encrypt_ecb(plaintext_hex, key_binary):
    plaintext_binary = bin(int(plaintext_hex, 16))[2:]
    blocks = [plaintext_binary[i:i+4] for i in range(0, len(plaintext_binary), 4)]
    encrypted_blocks = []
    for block in blocks:
        xor_result = ''.join(str(int(b) ^ int(k)) for b, k in zip(block, key_bin
        shifted_result = xor_result[1:] + xor_result[0]
        encrypted_blocks.append(str(int(shifted_result, 2)))
    return encrypted_blocks

def main():
    plaintext_hex = input("Masukkan Plainteks : ")
    key_binary = input("Masukkan Kunci : ")
    encrypted_result = encrypt_ecb(plaintext_hex, key_binary)
    print("Hasil Enkripsi ECB:", encrypted_result)
if __name__ == "__main__":
    main()
```

Hasil kodingan :



```
IDLE Shell 3.10.0
File Edit Shell Debug Options Window Help
Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Ilham Maulana\AppData\Local\Programs\Python\Python310\ECB Il
ham.py
Masukkan Plainteks : A23A9
Masukkan Kunci : 1011
Hasil Enkripsi ECB: ['2', '3', '1', '2', '4']
>>>
```

Selengkapnya tertera di github saya, berikut link nya :

<https://github.com/IlhamMaulanaCakra/ECB-Kripto.git>