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Tugas 1 Kriptografi

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import os

from hashlib import *

from tkinter import Tk

from tkinter.filedialog import askopenfilename

print("Silahkan pilih file yang ingin di encrypt / decrypt")

Tk().withdraw()

filename = askopenfilename()

print(filename)

Fin = filename

Fout = str(input("Silahkan masukan nama file output : "))

K = str(input("Silahkan masukan kata kunci : "))

ShaKey = sha256(K.encode('utf-8')).digest()

print(filename)

with open(Fin, 'rb') as Fin:

    with open (Fout, 'wb') as Fout:

        i = 0

        while Fin.peek():

            c = ord(Fin.read(1))

            j = i % len(ShaKey)

            b = bytes([c^ShaKey[j]])

            Fout.write(b)

            i = i + 1

print("File encrypted !")
```