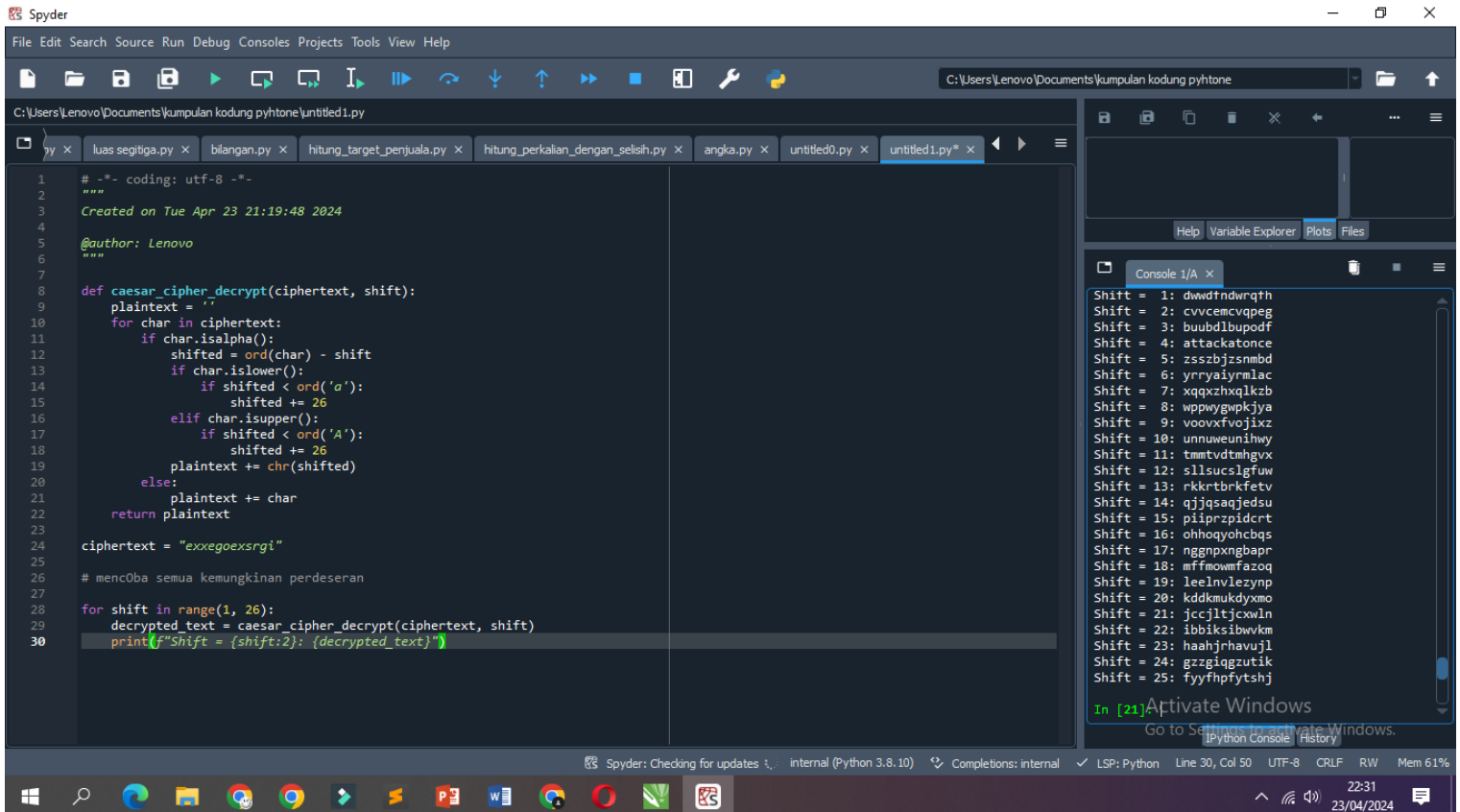


TUGAS KEAMANAN INFORMASI DIGITAL

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The screenshot displays the Spyder Python IDE interface. The main editor window shows a Python script for decrypting a Caesar cipher. The script defines a function `caesar_cipher_decrypt` that takes a ciphertext and a shift value as input. It iterates through each character in the ciphertext, checking if it is an alphabet character. If it is, it shifts the character back by the specified amount (26 for lowercase, 26 for uppercase) to get the plaintext. The script then applies this function to the ciphertext `"exxegoexsrgi"` for shifts from 1 to 26. The output is printed as a list of dictionaries, each containing the shift value and the corresponding decrypted text.

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Tue Apr 23 21:19:48 2024
4
5 @author: Lenovo
6 """
7
8 def caesar_cipher_decrypt(ciphertext, shift):
9     plaintext = ""
10     for char in ciphertext:
11         if char.isalpha():
12             shifted = ord(char) - shift
13             if char.islower():
14                 if shifted < ord('a'):
15                     shifted += 26
16             elif char.isupper():
17                 if shifted < ord('A'):
18                     shifted += 26
19             plaintext += chr(shifted)
20         else:
21             plaintext += char
22     return plaintext
23
24 ciphertext = "exxegoexsrgi"
25
26 # mencoba semua kemungkinan pergeseran
27
28 for shift in range(1, 26):
29     decrypted_text = caesar_cipher_decrypt(ciphertext, shift)
30     print(f"Shift = {shift:2}: {decrypted_text}")
```

The console window on the right shows the output of the script, displaying 25 lines of results for shifts 1 through 25. The output for shift 1 is `Shift = 1: dwdtdndwrqth`, and for shift 25, it is `Shift = 25: fyyfnpfrytshj`. The status bar at the bottom indicates the file is `untitled1.py`, the Python version is 3.8.10, and the current line is 30, column 50.

KESIMPULAN

Menurut saya kesimpulan yang dapat saya ambil dari hasil tugas yang diatas yaitu kodingan tersebut merupakan pergeseran atau perubahan huruf (exxegoexsrgi) tersebut menjadi huruf yang berbeda beda dengan susunan yang berbeda juga tetapi jumlah huruf nya tetap sama yaitu sebanyak 12 huruf dan jumlah baris nya sebanyak 25 baris.