

# Implementasi Cipher Klasik

Kelompok 4

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➤ Google Colab

## Caesar Cipher

[5]  
✓ Os

```
def caesar_encrypt(text, shift):  
    result = ""  
    for char in text:  
        if char.isalpha():  
            base = ord('A') if char.isupper() else ord('a')  
            result += chr((ord(char) - base + shift) % 26 + base)  
        else:  
            result += char  
    return result  
  
print(caesar_encrypt('HELLO', 3))
```

KHOOR


## Vigenère Cipher


[7]  
✓ Os



```
def vigenere_encrypt(plain, key):  
    key = key.upper()  
    result = ''  
    for i, char in enumerate(plain.upper()):  
        if char.isalpha():  
            shift = ord(key[i % len(key)]) - 65  
            result += chr((ord(char) - 65 + shift) % 26 + 65)  
        else:  
            result += char  
    return result  
  
print(vigenere_encrypt('ATTACKATDAWN', 'LEMON'))
```










LXFOPVEFRNHR

➤ Cryptool






DE



**Plaintext**

5 chars

HELLO



**Ciphertext**

5 chars

KHOOR

Options

**Key**

**A Alphabet**

26 chars

ABCDEFGHIJKLMNOPQRSTUVWXYZ

☐ Freestyle

☒ Uppercase


☐ Lowercase


☐ Digits

☐ Punctuation marks










☐ Umlauts

☐ Blanks






Cryptography for everybody



**ATTACKATDAWN**



**Ciphertext**

12 chars

LXFOPVEFRNHR

**Key**

Text

Copy

Reset

LEMON