

caesar_sandbox

September 7, 2025

0.1 File reader

```
[15]: import string
```

```
[14]: with open('input.txt', 'r', encoding='utf-8') as file:
      text = file.read()

      text = text.replace('\n', '').replace('\r', '').replace('\t', '')
      text = text.replace(' ', '')
      text = text.upper()
      for zeichen in string.punctuation:
          text = text.replace(zeichen, '')

      print(text)
```

INTHEBEGINNINGWASTHEWORDANDTHEWORDWASWITHGODANDTHEWORDWASGODTHESAMEWASINTHEBEGIN
NINGWITHGODALLTHINGSWEREMADEBYHIMANDWITHOUTHIMWASNOTANYTHINGMADETHATWASMADEINHIM
WASLIFEANDTHELIFEWASTHELIGHTOFMENANDTHELIGHTSHINETHINDARKNESSANDTHEDARKNESSCOMPR
EHENDEDITNOT

```
[16]: def caesar_decrypt_mod(plain, shift):
      cipher = ""

      for char in plain:
          shifted = (ord(char) - ord('A') - shift) % 26 + ord('A')
          cipher += chr(shifted)

      return cipher
```

```
[17]: cipher = caesar_decrypt_mod(text, 7)

      print(cipher)
```

BGMAXUXZBGGZPTLMAXPHKWGTGMAXPHKWPTLPBMAZHWGTGMAXPHKWPTLZHWMAXLTFXPTLBGMAXUXZBG
GBGZPBMAZHWTEEMABGZLPXKXFTWXURABFTGWPBMAHNMABFPTLGHMTGRMABGZFTWXMATMPTLFTWXBGABF
PTLEBYXTGWMAXEYXPTLMAXEBZAMHYFXGTGWMAXEBZAMLABGXMBGWTKDGXLLTGWMAXWTKDGXLLVHFIK
XAXGWXWBMGHM

```
[18]: with open('cipher.txt', 'w', encoding='utf-8') as file:  
      file.write(cipher)
```

```
[ ]:
```