LinkedIn: [Kelvin Kimotho]

Codebook

Easy | General Skills | Beginner picoMini 2022 | shell | Python

AUTHOR: LT 'SYREAL' JONES

Description

Run the Python script `code.py` in the same directory as `codebook.txt`.

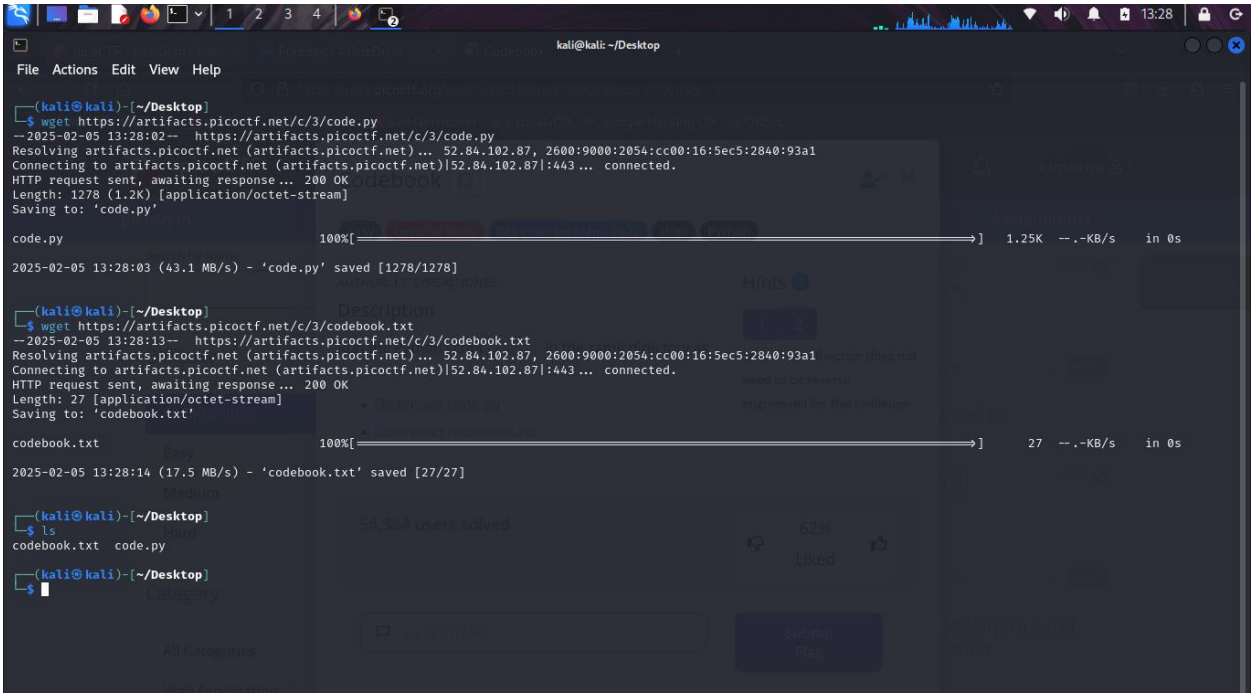
- Download code.py
- Download codebook.txt

Hints

1 2

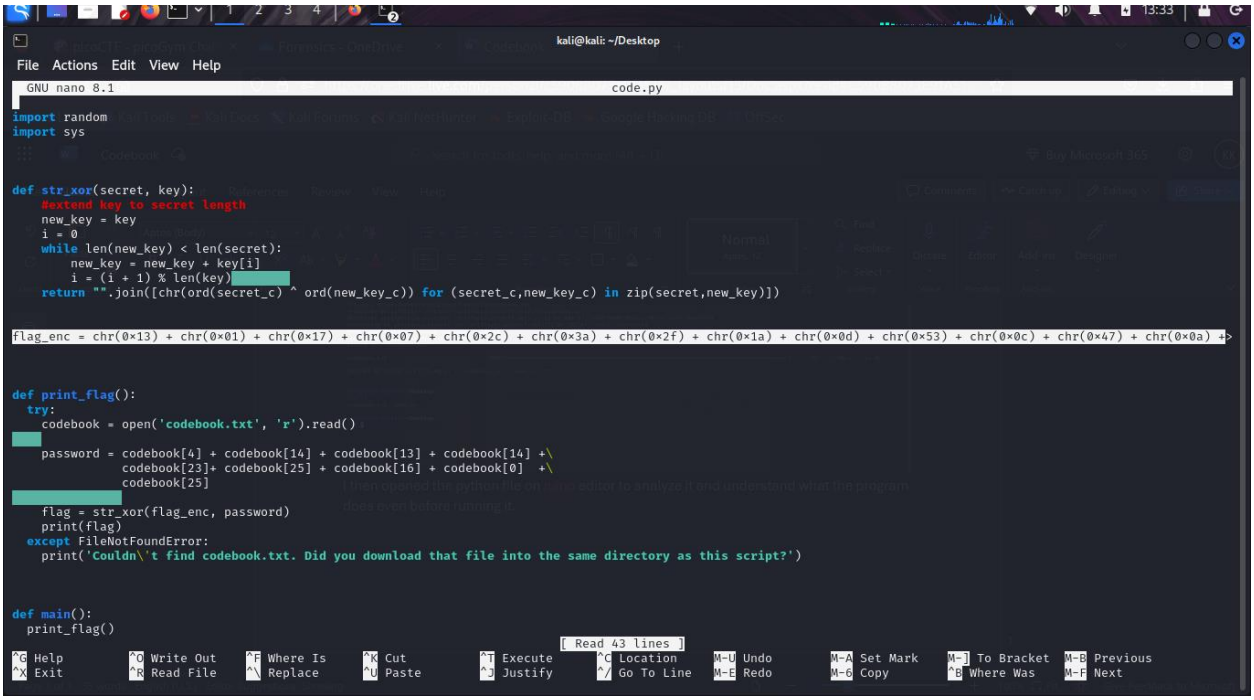
The `str_xor` function does not need to be reverse engineered for this challenge.

I downloaded the python and text files using wget tool.



I then opened the python file on nano editor to analyze it and understand what the program does even before running it. The flag is stored in variable as a hexadecimal encoding. The program reads the contents of the codebook.txt file where it captures various characters of the string in the

codebook.txt file and forms a password which must enabled the program to decode the flag contents.



I ran the program and the flag was printed out. Without the codebook.txt file, The decryption will not happen since the password required when decoding is compiled from some characters in the contents of the text file. The flag was picoCTF{c0d3b00k_455157_197a982c}.