

Python Wrangling

files you will need

ende.py

```
import sys
import base64
from cryptography.fernet import Fernet

usage_msg = "Usage: " + sys.argv[0] + " (-e/-d) [file]"
help_msg = usage_msg + "\n" + \
    "Examples:\n" + \
    "  To decrypt a file named 'pole.txt', do: " + \
    "$ python " + sys.argv[0] + " -d pole.txt\n"

if len(sys.argv) < 2 or len(sys.argv) > 4:
    print(usage_msg)
    sys.exit(1)

if sys.argv[1] == "-e":
    if len(sys.argv) < 4:
        sim_sala_bim = input("Please enter the password:")
    else:
        sim_sala_bim = sys.argv[3]

    ssb_b64 = base64.b64encode(sim_sala_bim.encode())
    c = Fernet(ssb_b64)
```

```
with open(sys.argv[2], "rb") as f:
    data = f.read()
    data_c = c.encrypt(data)
    sys.stdout.write(data_c.decode())

elif sys.argv[1] == "-d":
    if len(sys.argv) < 4:
        sim_sala_bim = input("Please enter the password:")
    else:
        sim_sala_bim = sys.argv[3]

    ssb_b64 = base64.b64encode(sim_sala_bim.encode())
    c = Fernet(ssb_b64)

    with open(sys.argv[2], "r") as f:
        data = f.read()
        data_c = c.decrypt(data.encode())
        sys.stdout.buffer.write(data_c)

elif sys.argv[1] == "-h" or sys.argv[1] == "--help":
    print(help_msg)
    sys.exit(1)

else:
    print("Unrecognized first argument: "+ sys.argv[1])
    print("Please use '-e', '-d', or '-h'.")
```

pw.txt

68f88f9368f88f9368f88f9368f88f93

flag.txt.en

```
gAAAAABgUAIV8D5MjdzgLLTkkMIbU84ARVwfX4brMt2rJQCjklLtytfWVZe1L2dp4K8VrKgRU3axStKJEAqcM0iDa  
xiYE54Boh8UfAAo1RNifKnIDrFz0gLaznVSFVj2xAUa4V35180
```

solution

```
PS A:\ctf\Python Wrangling> python .\ende.py -d .\flag.txt.en  
Please enter the password:68f88f9368f88f9368f88f9368f88f93
```

answer (this is the output)

```
picoCTF{4p0110_1n_7h3_h0us3_68f88f93}
```

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