Crypto

easy RSA

```python
def encrypt(c):
    p = getPrime(8)
    q = getPrime(8)
    e = randint(0, p * q)
    while gcd(e, (p - 1) * (q - 1)) != 1:
        e = int(next_prime(e))
    return e, p, q, pow(ord(c), e, p * q)


if __name__ == '__main__':
    print(list(map(encrypt, flag)))
    # [(12433, 149, 197, 104), (8147, 131, 167, 66
```

题目如图。使用代码分组暴力破解后输出。

Matryoshka

如图 以盲文-摩斯-逆序-hex-维吉尼亚-base64-栅栏-凯撒的顺序解密

PayPal

PayPal 24小时保障每笔交易的安全，保证个人信息安全不外泄，支持全球众多

PayPal   打开

cbvhz{Rzgx0hz_o0_ocz_r0mgv_0a_xmtko0bmvkct!}

位移 21   加密 解密

hgame{Welc0me_t0_the_w0rld_0f_crypt0graphy!}

English Novel

步骤1：

```python
# -*- coding: utf-8 -*-
"""
Created on Fri Jan 21 15:24:37 2022

@author: chax
"""

front="C:\\Users\\chax\\Desktop\\English Novel (1)\\e
rear=".txt"
for i in range(410):
    flag=0
    k=[8,3,6,8,8]
    t=[0,0,0,0,0]
    total=front+str(i)+rear
    f=open(total)
    byt=f.readline(60)
    p=0
    num=0
    while flag!=5 and p<60 and byt[p]!="\n":
        if byt[p] >="a" and byt[p] <= "z" or byt[p] >
            num+=1
        if byt[p] == " " and num !=0:
            t[flag]=num
            flag+=1
            num=0
        p+=1

    if k==t:
        print(i)
```

步骤2：

```
    # -*- coding: utf-8 -*-
1
2   """
3   Created on Fri Jan 21 15:27:39 2022
4
5   @author: chax
6   """
7   result=""
8   e=open("C:\\Users\\chax\\Desktop\\English Novel (1)\\
9   o=open("C:\\Users\\chax\\Desktop\\English Novel (1)\\
10  data="klsyf{W0_j0v_ca0z_'Ks0ao-bln1qstxp_juqfqy'?}"
11  e1=e.readline(45)
12  o1=o.readline(45)
13  key=""
14  for i in range(44):
15      q=(ord(e1[i])+26-ord(o1[i]))%26
16      if data[i].isupper():
17          result += chr((ord(data[i]) +26- ord('A') - q
18      elif data[i].islower():
19          result += chr((ord(data[i]) +26- ord('a') - q
20      else:
21          result += data[i]
22      if e1[i]==" ":
23          print(i+1)
24  print(result)
```

```
 Consol
Python
15:08:0
Type "c
for mor

IPython
```

多重复几次，得到完整明文

IoT

饭卡的uno

拖入ida，得到flag

misc

欢迎欢迎，热烈欢迎

加公众号发消息

群青（其实是幽灵东京）

使用txt打开，有"why not try try silentEye"的字样，因此使用silentEye，以光谱图中以及题目提示中都有提及的yoasobi为密码，解得一个网站

打开网站，得到SSTV的音频，使用RX-SSTV解码得到二维码图片，扫码得到flag

pwn

test_your_nc

nc然后cat

web

蛛蛛...嘿嘿♥我的蛛蛛

硬点到底，找到flag

请求方法: GET

状态代码: ✔ 200

远程地址: 111.231.179.251:443

引用站点策略: strict-origin-when-cross-origin

▼ **响应头**

auth0r: asjdf

content-length: 831

content-type: text/html; charset=utf-8

date: Mon, 24 Jan 2022 06:24:42 GMT

fi4g: hgame{935ffc0490eef273f2038a5c273f9ebdf9a bc87aff9d339288b836226bc66f4}

welcome-to-hgame: See you next week!

x-api-appid: 1308188104

x-api-funcname: helloworld-1642513741

x-api-httphost: nil

x-api-id: api-6p0hmf8t

x-api-requestid: 3f28d103fb7efc07649070d094de627 2

x-api-serviceid: service-kjbkqayp

x-api-status: 200

Tetris plus

在游戏的源代码中找到

```
84
85     if (score >= 3000 && !window.winned)
86         winned = true
87         alert(atob("ZmxhZyDosozkvLzooqvo
88         // [][(![]+[])[+[]]+(![]+[])[!+[
89     }
90 }
91
```

字样

复制粘贴到控制台得到flag