

Crypto

easy RSA

```
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

The screenshot shows a decryption tool interface with the following components:

- Recipe Panel:** A list of decryption methods on the left, each with a status icon (on/off).
 - From Braille:** On.
 - From Morse Code:** On. Sub-options: Letter delimiter (Forward slash), Word delimiter (Line feed).
 - From Hex:** On. Sub-option: Delimiter (Auto).
 - Vigenère Decode:** On. Sub-option: Key (hgame).
 - From Base64:** On. Sub-options: Alphabet (A-Za-z0-9+/=), ☒ Remove non-alphabet chars.
 - From Base64:** Off. Sub-options: Alphabet (A-Za-z0-9+/=), ☒ Remove non-alphabet chars.
- Input Panel:** A text area containing a large block of Base64-encoded data.
- Output Panel:** Displays the result of the decryption process. It includes a table with statistics and the decoded text.

start:	0	time:	1ms
ends:	44	length:	44
length:	44	lines:	1

Output text: `c0bmvgxyz_{0Raz_gxxm0thkzo_0ob0m_vokcczt_lr}`

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_xmtko0bmyket!}

位移

加密

解密

hgame(Welc0me_t0_the_w0rld_of_crypt0graphy!)

English Novel

步骤1:

```
File Edit Search Source Run Debug Consoles Projects Tools View Help
\Users\chax\Desktop\hgame\第一周\English Novel (1)\找到片段1对应的加密.py
temp.py X task.py X 找到片段1对应的加密.py X 明文翻译.py X

1  #-*-coding:utf-8-*-
2  """
3  Created on Fri Jan 21 15:24:37 2022
4
5  @author: chax
6  """
7
8  front="C:\\Users\\chax\\Desktop\\English Novel (1)\\e
9  rear=".txt"
10 for i in range(410):
11     flag=0
12     k=[8,3,6,8,8]
13     t=[0,0,0,0,0]
14     total=front+str(i)+rear
15     f=open(total)
16     byt=f.readline(60)
17     p=0
18     num=0
19     while flag!=5 and p<60 and byt[p]!="\n":
20         if byt[p]>="a" and byt[p]<="z" or byt[p]>:
21             num+=1
22         if byt[p]== "." and num!=0:
23             t[flag]=num
24             flag+=1
25             num=0
26         p+=1
27
28     if k==t:
29         print(i)
```

步骤2:

```
temp.py × task.py × 找到片段1对应的加密.py × 明文翻译.py ×
1  # -*- coding: utf-8 -*-
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)\\c
9  o=open("C:\\Users\\chax\\Desktop\\English Novel (1)\\c
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)
```

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

x-api-unauthorized-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