

密码学

Hill 密码:

求出逆矩阵*105 得到[225 -255][-60 75]将小数变成整数得【225 5】【18 75】

再由解密算法得到结果

```
a = 'jchfecncvxoqmtgqqlqamqutqsgnniw'
b = list(a)
c = []
d = []
for i in range(0, 32):
    c.append(ord(b[i])-97)
for s in range(0, 32):
    if s%2==0:
        d.append(int(225*c[s]+5*c[s+1]))
    else:
        d.append(int(18*c[s-1]+75*c[s]))
    while(d[s]>=26):
        d[s]-=26
    d[s]=chr(d[s]+97)
e = ''.join(d)
print(e)
```

Python 3.5.3 Shell

File Edit Shell Debug Options Window Help

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Desktop\hill.py =====
haohaoxuexiandainihuiqiuniyuanma

RSA 算法

第一题 把 n 分解求出 p, q; 然后算出密文, 转换为十六进制, 再转换为字符串

得出的十六进制字符串是

6867616D657B31665F755F6B6E30775F705F715F316E5F5253415F31745F69735F656173795F5F5F7D

得到 flag: hgame{1f_u_kn0w_p_q_l_n_RSA_1t_is_easy__}

第二题先由 n 得出公因数

1740205919316425794456394825206699668324724648875633768316482403139497456756209
5144959618209142250451615296433175317281610125878650086744249998032962287160564
3244312864569190912571594622928685486487082899631190828171757188986378429230898
856002204891580815930976676783807695195461562646917675429591266528741337

最后得出

686374667B49375F31735F64346E6765723075735F325F53683472655F7072696D337D

得到 flag

hctf{I7_1s_d4nger0us_2_Sh4re_prim3}

Xss0:

Payload

重写一下就好

```
</article><script>alert(1)</script> ,
```

SSSSSSSSSSSSSuccess!!请带着payload找HeartSky(QQ 869794781)或
C014(QQ 779041017)

Xss1

Payload

构造 js 错误

Xss2

把符号用 URL 重新编码

```
" onclick=alert(1) type="button
```

SSSSSSSSSSSSSuccess!!请带着payload找HeartSky(QQ 869794781)或
C014(QQ 779041017)

黄金矿工：打通关就好

