ctf crypto 密码破解 PY

原创

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分类专栏： CTF 文章标签： 安全

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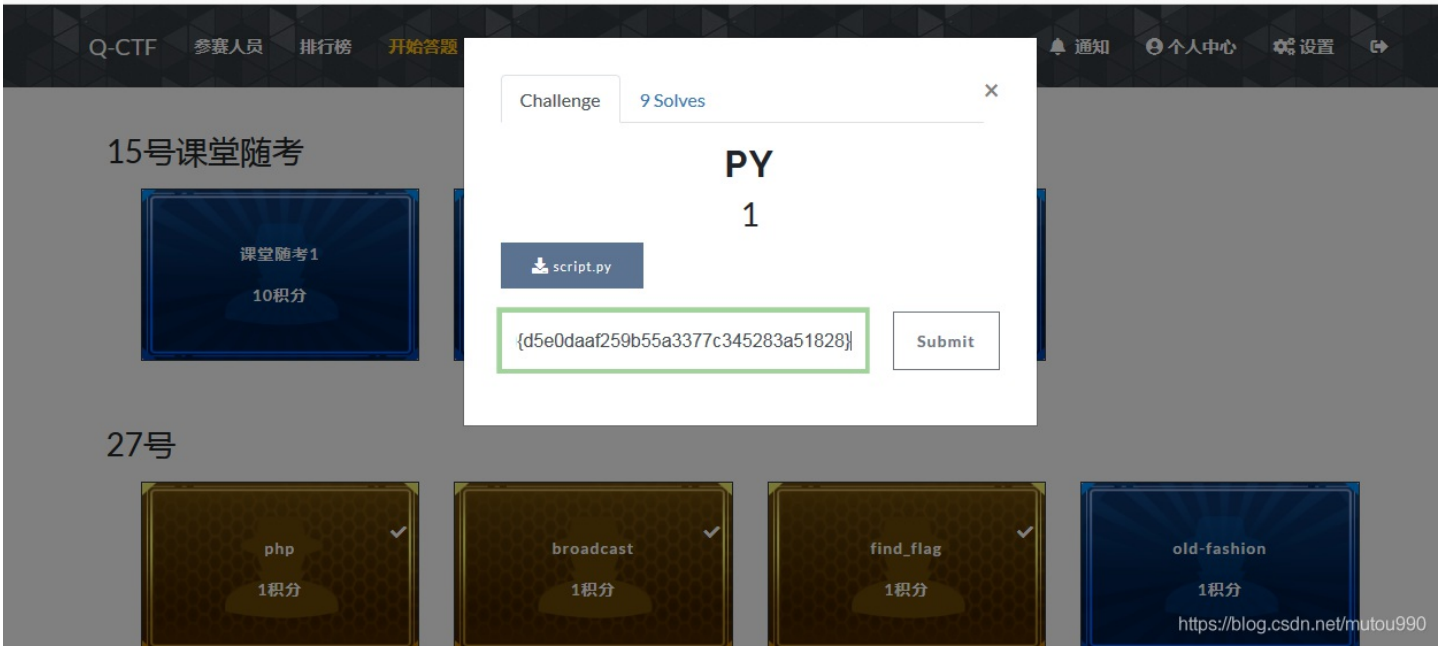
题目：



```
#!/usr/bin/env python
# coding:utf-8
import base64

def encrypto(string):
    str1 = ""
    for i in string:
        str1 += chr((ord(i) + 8) ^ 0x16)
    str2 = ""
    for j in base64.b16encode(str1):
        str2 += chr(ord(j) ^ 0x32)
    str3 = ""
    for k in base64.b32encode(str2):
        str3 += chr(ord(k) ^ 0x64)
    return base64.b64encode(str3)

def decrypty(encrypto_str):
    # decrypto code .....
    pass

def main():
    string = "123456"
    encrypto_str = "JTEiJS0lJSIrNSc1Myc9LCUyPjUlUCUiKyUlLCsmKDAlMlYlL1ElIiYtJSwnJSA1JVAnNS9QLSUrJSUsJSYoMSUmVyUl
UTUlJiklJTMmKDMlJlclJVA9JSslJSwnJj0hJSZXJS9RJSUrJSUsLSY9ISUmPTUrJiUoJSFZWVlZWVk="
    print encrypto(string)
    print decrypty(encrypto_str)

if __name__ == "__main__":
    main()
```

解密脚本

```
#!/usr/bin/env python
# coding:utf-8
import base64

def encrypto(string):
    str1 = ""
    for i in string:
        str1 += chr((ord(i) + 8) ^ 0x16)
    str2 = ""
    for j in base64.b16encode(str1):
        str2 += chr(ord(j) ^ 0x32)
    str3 = ""
    for k in base64.b32encode(str2):
        str3 += chr(ord(k) ^ 0x64)
    return base64.b64encode(str3)

def decrypty(encrypto_str):
    # decrypto code .....
    str4 = ""
    for x in base64.b64decode(encrypto_str):
        str4 += chr(ord(x) ^ 0x64)
    str5 = ""
    for y in base64.b32decode(str4):
        str5 += chr(ord(y) ^ 0x32)
    str6 = ""
    for z in base64.b16decode(str5):
        str6 += chr((ord(z) ^ 0x16) - 8 )
    return str6
    pass

def main():
    string = "123456"
    encrypto_str = "JTEiJS0lJSIrNSc1Myc9LCUyPjUlUCUiKyUlLCsmKDAlMlYlL1ElIiYtJSwnJSA1JVAnNS9QLSUrJSUsJSYoMSUmVyUl
UTUlJiklJTMmKDMlJlclJVA9JSslJSwnJj0hJSZXJS9RJSUrJSUsLSY9ISUmPTUrJiUoJSFZWVlZWVk="
    print encrypto(string)
    print decrypty(encrypto_str)

if __name__ == "__main__":
    main()
```