

# ctf crypto 密码破解 PY

原创

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订阅专栏

题目:

The screenshot shows a CTF challenge interface. A modal window is open for a challenge titled "PY 1". The challenge has "9 Solves". Below the title, there is a download button for "script.py". A text input field contains the flag "{d5e0daaf259b55a3377c345283a51828}", which is highlighted with a green border. A "Submit" button is located to the right of the input field. In the background, the main interface shows a list of challenges under the heading "15号课堂随考". One challenge, "课堂随考1", is highlighted with a blue border and shows "10积分". Below this, under the heading "27号", there are four challenge cards: "php" (1积分), "broadcast" (1积分), "find\_flag" (1积分), and "old-fashion" (1积分). The "old-fashion" card has a blue border and a URL "https://blog.csdn.net/mutou990" at the bottom.

```

#!/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 decrypto(encrypto_str):
    # decrypto code .....
    pass

def main():
    string = "123456"
    encrypto_str = "JTEiJS0lJSIrNSc1Myc9LCUyPjU1UCUiKyU1LCsmKDA1M1Y1L1E1IiYtJSwnJSA1JVAnNS9QLSUrJSUsJSYoMSUmVyU1
UTU1Jik1JTMmKDM1J1c1JVA9JSs1JSwnJj0hJSZXJS9RJSUrJSUsLSY9ISUmPTUrJiUoJSFZWV1ZWVk="
    print encrypto(string)
    print decrypto(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 = "JTEiJS0lJSIrNSc1Myc9LCUyPjU1UCUiKyU1LCsmKDA1M1Y1L1E1IiYtJSwnJSA1JVAnNS9QLSUrJSUsJSYoMSUmVyU1
UTU1Jik1JTMmKDM1Jlc1JVA9JSS1JSwnJj0hJSZXJS9RJSUrJSUsLSY9ISUmPTUrJiUoJSFZWV1ZWVk="
    print encrypto(string)
    print decrypty(encrypto_str)

if __name__ == "__main__":
    main()

```

```

D:\wechat\WeChat Files\wxid_5jpujlepav1222\FileStorage\File\2020-08>python script (加密解密).py
JSZWJSUQLSUrPSUsIyUgNSU1IiUZWV1Z
flag{d5e0daaf259b55a3377c345283a51828}

D:\wechat\WeChat Files\wxid_5jpujlepav1222\FileStorage\File\2020-08>_

```