base64

Base64编码是一种"防君子不防小人"的编码方式。广泛应用于MIME协议,作为电子邮件的传输编码,生成的编码可逆,后一两位可能有"=",生成的编码都是ascii字符。

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优点:速度快,ascii字符,肉眼不可理解
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缺点:编码比较长,非常容易被破解,仅适用于加密非关键信息的场合
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--base64.b64encode(s[,altchars])
 altchars&s是bytes-like
 altchars是长度为2的字符串用来替换/和+
FE:
>>> a = base64.b64encode(bytes(s,encoding='utf8'),altchars='*/'.encode('utf-8'))
>>> a = base64.b64encode(bytes(s, encoding='utf8'), altchars='*8/'.encode('utf-8'))
Traceback (most recent call last):
       File "\langle pyshell#23 \rangle", line 1, in \langle module \rangle
               a = base64.b64encode(bytes(s, encoding='utf8'), altchars='*8/'.encode('utf-8'))
       File "D:\编程\lib\base64.py", line 61, in b64encode
               assert len(altchars) == 2, repr(altchars)
 AssertionError: b'*8/'
 --base64.b64decode(s[,altchars])
 解码
FE:
 >>> a = base64.b64encode(bytes(s, encoding='utf8'))
b'50iR5piv5LiA5Liq5a2X56ym5Liy'
>>> a. decode ('utf8')
 '50iR5piv5LiA5Liq5a2X56ym5Liy'
>>> base64. b64decode (a)
b' \times 6\x88 \times 91 \times 6\x98 \times 4 \times 80 \times 4 \times 80 \times 27 \times 7 \times 6 \times 98 \times 20 \times 97 \times 10^{-2} \times 10
 >>> base64.b64decode(a).decode('utf8')
'我是一个字符串'
 --base64.urlsafe_b64encode(s)
 s是bytes-like
 此方法中用-代替了+,用_代替了/,这样可以保证编码后的字符串放在ur1里可以正常访问
 --base64.urlsafe_b64decode(s)
 --base64.b32encode(s)
 base32编码接口
 --base64.b32decode(s, casefold=False, map01=None)
 --base64. b16encode(s)
 base16接口
 --base64.b16decode(s, casefold=False)
```