

My Python Snippets 2.7

Keep your passwords out of your working directory

```
In [2]: 1 mkdir /home/jack/hidden

In [4]: 1 %writefile /home/jack/hidden/Authorize.py
2 def keys():
3     ftp = "ftp.MYsite.com"
4     username = "Josephine"
5     password = "WhaWah2525"
6     login = (ftp, username, password)
7     return login

Overwriting /home/jack/hidden/Authorize.py

In [5]: 1 import sys
2 sys.path.insert(0, "/home/jack/hidden")
3 import Authorize
4 ftp = Authorize.keys()[0]
5 username = Authorize.keys()[1]
6 password = Authorize.keys()[2]
7
8 print ftp, username, password

ftp.MYsite.com Josephine WhaWah2525
```

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Edit a Text File with Python

```
1 with open("sample.txt", 'r') as f:
2     get_all=f.readlines()
3 with open("file.txt", 'w') as f:
4     for i, line in enumerate(get_all, 1): # Start counting lines at 1
5         if i == 3: # overwrite line 3
6             f.writelines("This is my new TEXT on line three.\n")
7             #you may also add more lines
8             f.writelines("This is another line added under the first.\n")
9         else:
10            f.writelines(line)
11 f.close()

1 %writefile sample.txt
2 The general rule is satisfied if they are reminded.
3 Some people are exceeding graciousness at the table.
4 Those people are fewer in number.
5 Long, low masses of dust show the soldiers ground beforehand.

Overwriting sample.txt

1 # %load file.txt
2 The general rule is satisfied if they are reminded.
3 Some people are exceeding graciousness at the table.
4 This is my new TEXT on line three.
5 This is another line added under the first.
6 Long, low masses of dust show the soldiers ground beforehand.
```

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Encoding and Decoding base64 with Python

```
1 #import the base64 module
2 import base64
3 # here is a singleline example
4 string="This is the text above Encoded Base64"
5 #encode the string in this case the variable is EncodedStringValue
6 EncodedStringValue=base64.b64encode(string)
7
8 string2 = EncodedStringValue
9 print "Encoded String : ",EncodedStringValue, \
10 "\nDecoded String2 : ",base64.b64decode(string2)

Encoded String : VGhpcyBpcyB0aGUgdGV4dCBhYm92ZS8BbmNvZGVkIEJhc2U2NA==
Decoded String2 : This is the text above Encoded Base64
```

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Hidding Twitter Passwords

```
1 %writefile /home/jack/hidden/Key.py
2 def twiter():
3     CONSUMER_KEY = 'XXXXXXXXXXXX'
4     CONSUMER_SECRET = 'YYYYYYYYYYYY'
5     ACCESS_KEY = 'ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ'
6     ACCESS_SECRET = '000000000000000000000000'
7     twiter = (CONSUMER_KEY, CONSUMER_SECRET, ACCESS_KEY, ACCESS_SECRET)
8     return twiter

Overwriting /home/jack/hidden/Key.py

1 import sys
2 import twython
3 from twython import Twython
4 sys.path.insert(0, "/home/jack/hidden")
5 import Key
6 #removed keys for privacy reasons
7 CONSUMER_KEY = Key.twiter()[0]
8 CONSUMER_SECRET = Key.twiter()[1]
9 ACCESS_KEY = Key.twiter()[2]
10 ACCESS_SECRET = Key.twiter()[3]
11 twiter = Twython(CONSUMER_KEY, CONSUMER_SECRET, ACCESS_KEY, ACCESS_SECRET)
12
13 print CONSUMER_KEY, CONSUMER_SECRET, ACCESS_KEY, ACCESS_SECRET
14

XXXXXXXXXXXX YYYYYYYYYYYY ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ 000000000000000000000000
```

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Insert Snippet in DataBase

```
1 import sqlite3
2 import base64
3 conn = sqlite3.connect('snippet.db') #Connect to database
4 c = conn.cursor()
5 conn.text_factory = str
6 file = ""
7 import base64 #encode multiple lines and keep the format
8 string = ""
9
10
11
12
13
14
15
16 FROM: http://copy.r74n.com/ascii-art
17 EncodedStringValue=base64.b64encode(string)
18 string2 = EncodedStringValue
19 print "Decoded String2 : ",base64.b64decode(string2)
20
21 keywords = 'base64, encoding base64, decoding base64, Encoded Base64'
22 encodedlistvalue=base64.b64encode(file)
23 c.execute("INSERT INTO snippet VALUES (?, ?, ?)", (encodedlistvalue, file, keywords))
24 conn.commit()
25 conn.close()
```

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Multiple lines may also be converted to base64 by using triple apostrophies

```
1 import base64 #encode multiple lines and keep the format
2 string = ""
3
4
5
6
7
8
9
10 FROM: http://copy.r74n.com/ascii-art
11
12 EncodedStringValue=base64.b64encode(string)
13 string2 = EncodedStringValue
14 print "Decoded String2 : ",base64.b64decode(string2)
```

Decoded String2 :

```

FROM: http://copy.r74n.com/ascii-art
```

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