

My Python Snippets 2.7

Get a Random Line From a Text File

```
1 import os
2 import random
3 import sys
4
5 def random_line(afile):
6     line = next(afile)
7     for num, aline in enumerate(afile):
8         if random.randrange(num + 2): continue
9         line = aline
10    return line
11
12
13 afile = open("elonmusk.txt", 'r')
14 STR = random_line(afile)
15 print STR
```

@MThorpXXi We are working on enlarging the opening. Aperture will be big enough for almost anything.

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Screen Capture With Python

```
1 # /home/jack/anaconda2/lib/python2.7/site-packages/Immanip/RandCap640.py
2 import os
3 import time
4 from random import randint
5 from PIL import Image
6 import GenIm
7 count = 0
8 #Saves 100 images
9 total = 300
10 while count<total:
11     # captures the window
12     os.system("import -window root screencap/temp.png")
13     #generates a filename based on time
14     img = Image.open("screencap/temp.png")
15     img2 = img.crop((200, 0, 968, 768))
16     img2.save('screencap/temp2.png')
17     imfile = Image.open("screencap/temp2.png")
18
19     imout = time.strftime("screencap/640_manual_%Y%m%d%H%M%S.png")
20     #imout = 'screencap/temp640.png'
21     GenIm.Signal(imfile, imout)
22     print "Number : ",count+1,"of",total," File Name : ",imout
23     # Adds a random timer
24     nap = randint(10, 30)
25     # Sleeps for the randomly chosen time
26     time.sleep(nap)
27     count = count +1
28
29
```

Writing /home/jack/anaconda2/lib/python2.7/site-packages/Immanip/RandCap640.py

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Makes clean Text Search with Data from realDonaldTrump_tweets.csv

```
1 from itertools import tee
2 search = raw_input('Search Term')
3 with open("realDonaldTrump_tweets.csv") as inf:
4     # set up iterators
5     cfg,res = tee(inf)
6     # advance cfg by four lines
7     for i in range(4):
8         next(cfg)
9
10    for c,r in zip(cfg, res):
11        if search in c:
12            print "Date :",c[21:38],"\nText :",c[39:]
```

Search TermHillary
Date : 17-09-22 11:26:06
Text : "The greatest influence over our election was the Fake News Media "screaming" for Crooked Hillary Clinton. Next, she was a bad candidate!"

Date : 17-09-22 10:44:47
Text : "The Russia hoax continues, now it's ads on Facebook. What about the totally biased and dishonest Media coverage in favor of Crooked Hillary?"

Date : 17-09-20 10:40:31
Text : "After allowing North Korea to research and build Nukes while Secretary of State (Bill C also), Crooked Hillary now criticize s."

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Posting a Video

```
1 from PIL import Image, ImageChops, ImageDraw, ImageFont, ImageFilter
2 import random
3 from random import randint
4 import time
5 import os
6 import sys
7 import Key
8 import twython
9 from twython import Twython
10
11 def random_line(afile):
12     line = next(afile)
13     for num, aline in enumerate(afile):
14         if random.randrange(num + 2): continue
15         line = aline
16     return line
17
18 #Removed keys for privacy reasons
19 CONSUMER_KEY = Key.twitter()[0]
20 CONSUMER_SECRET = Key.twitter()[1]
21 ACCESS_KEY = Key.twitter()[2]
22 ACCESS_SECRET = Key.twitter()[3]
23
24 twitter = Twython(CONSUMER_KEY, CONSUMER_SECRET, ACCESS_KEY, ACCESS_SECRET)
25 afile = "code.txt"
26 STR = random_line(afile)
27 video = open('screencap/out.mp4', 'rb')
28 response = twitter.upload_video(media=video, media_type='video/mp4')
29 twitter.update_status(status=STR, media_ids=[response['media_id']])
30
31
32 {'contributors': None,
```

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Transferring your pdf.txt to SQLite database

```
1 # Notice title = "Edition" this allows the
2 # pdf title to be used in a search if required
3 import time
4 import sqlite3
5 Dbase = 'pdfs.db'
6 conn = sqlite3.connect(Dbase)
7 conn.text_factory = str
8 c = conn.cursor()
9 c.execute('''
10 CREATE VIRTUAL TABLE IF NOT EXISTS pdfs
11 USING FTS3(text, title);
12 ''')
13
14 title = "Edition"
15 read = open("pdf.txt", "r")
16 lines = read.readlines()
17 for line in lines:
18     line = line.decode("utf8")
19     conn = sqlite3.connect(Dbase)
20     c = conn.cursor()
21     c.execute("INSERT INTO pdfs VALUES (?, ?)", (line, title))
22     conn.commit()
23     conn.close()
```

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Open A PDF and Save as TEXT file

```
1 # Open A PDF and Save as TEXT file
2 # keywords read pdf as text , save pdf as text
3 # pdf2txt , textract
4 from time import sleep
5 import textract
6
7 lines = textract.process("Edition.pdf")
8 for line in lines.split("."):
9     #line = line.replace(".", ".\n")
10    line = line.replace("—", " ")
11    Tfile = open("pdf.txt", "a")
12
13    Tfile.write(line)
14    #print line
15    Tfile.close()
16
```

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