

My Python Snippets 2.7

Load an Image by ROWID Number

```
1 import sqlite3
2 from IPython.core.display import Image
3 def get_image(cursor, image_id):
4     cursor.execute("SELECT PICTURE, TYPE, FILE_NAME FROM PICTURES WHERE id = ?", (image_id,))
5     alob, ext, afile = cursor.fetchone()
6     filename = afile + ext
7     with open(filename, 'wb') as output_file:
8         output_file.write(alob)
9     return filename
10 Dbase = 'Image8.db'
11 conn = sqlite3.connect(Dbase)
12 cur = conn.cursor()
13 ImageID = raw_input("Image ID number : ")
14 filename = get_image(cur, ImageID)
15 cur.close()
16 conn.close()
17 print filename
18 Image(filename=filename)
19
```

Image ID number : 8
database003.png

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Loads the NewsFeeds From 35 Sources Into an FTS3 Database

```
[23]: 1 import sqlite3
2 import feedparser
3 import time
4 import sqlite3
5 Dbase = 'mynewsfts3.db'
6 conn = sqlite3.connect(Dbase)
7 c = conn.cursor()
8 c.execute("""
9 CREATE VIRTUAL TABLE IF NOT EXISTS htsrch
10 USING FTS3(head, feed);
11
```

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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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Loading bash_history directly into a SQLite Database

```
1 from time import sleep
2 import sqlite3
3 conn = sqlite3.connect('historyFTS4.db')
4 c = conn.cursor()
5 conn.text_factory = str
6 c.execute("""
7 CREATE VIRTUAL TABLE history
8 USING FTS4(text);
9 """)
10 file0 = open("/home/jack/.bash_history")
11 lists = file0.readlines()
12 for list in lists:
13     #list = list.encode("ascii", "ignore")
14     list = list.decode('utf-8').strip()
15     c = conn.cursor()
16     c.execute('insert into history values (?)', (list,))
17
18 conn.commit()
19 conn.close()
```

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wikipedia and Site Searches

In [15]:

```
1 %writefile wikilist2.txt
2 Data mining
3 Competitive intelligence
4 National security
5 Harvard University
6 Python (programming language)
7 Object-oriented programming
```

Writing wikilist2.txt

In [16]:

```
1 import wikipedia
2 import time
3 f = open("wikilist2.txt", "r")
4 lines = f.read().splitlines()
5 for line in lines:
6     text = wikipedia.summary(line)
7     text = text.replace(" ", ".\n")
8     text = text.encode("ascii", "ignore")
9     ffile = open("tempfile2.txt", "a")
10    ffile.write(text)
11    ffile.close()
12    time.sleep(10)
13    print line
```

Data mining
Competitive intelligence
National security
Harvard University
Python (programming language)
Object-oriented programming

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Creating a MySQL database with Python

If you don't have it you may need:
sudo apt-get install libmysqclient-dev

```
1 # Works
2 import MySQLdb as db
3 con = db.connect("localhost", "root", "")
4 cur = con.cursor()
5 cur.execute('CREATE DATABASE searchdb01;')
6
7
8
9
10
11
```

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Search and View bash history

```
1 import sqlite3
2 import sys
3 conn = sqlite3.connect('historyFTS4.db')
4 conn.text_factory = str
5 c = conn.cursor()
6 count=0;req=200
7 search = raw_input("Search : ")
8 for row in c.execute("SELECT rowid, text FROM history WHERE text MATCH ?", (search,)):
9     count=count+1
10    print (row[0], "-", (row[1]), "\n")
11    if count >= req:
12        conn.close()
13        sys.exit()
```

Search : http-server
333 - wget http://www.no-ip.com/client/linux/noip-due-linux.tar.gz
335 - wget http://www.no-ip.com/client/linux/noip-due-linux.tar.gz
898 - ffmpeg -i "rtmp://127.0.0.1/video_audio live=1" -f mpegvideo -b:v 500k -r 21 -q:v 10
://127.0.0.1:8000/temp123/640/480/
899 - sudo ffmpeg -i "rtmp://127.0.0.1/video_audio live=1" -f mpegvideo -b:v 500k -r 21 -q:
http://127.0.0.1:8000/temp123/640/480/
900 - sudo ffmpeg -i "rtmp://127.0.0.1/video_audio live=1" -f mpegvideo -b:v 500k -r 21 -q:
http://127.0.0.1:8000/temp123/640/480/
901 - ffmpeg -f vfwcap -i 0 -f image2 -vcodec mjpeg -b:v 500k -r 21 -q:v 10 -s 640x480 http:
2/temp123/640/480/image-%3d.jpg

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