In [1]:
```
import pandas as pd
import sqlite3
from pandas.io import sql
import os
```

In [2]:
```
DB_NAME = 'top_cities.db'
TABLE_NAME = 'TOP_CITIES'
```

In [3]:
```
def db_save(df, db_name, table_name):
    with sqlite3.connect(db_name) as con:
        try:
            df.to_sql(name = table_name, con = con, index = False, if_exists='append
            #if_exists : {'fail', 'replace', 'append'} default : fail
        except Exception as e:
            print(str(e))
        print(len(df), '건 저장완료..')
```

In [4]:
```
def db_select(db_name, table_name):
    with sqlite3.connect(db_name) as con:
        try:
            query = 'SELECT * FROM {}'.format(table_name)
            df = pd.read_sql(query, con = con)
        except Exception as e:
            print(str(e))
        return df
```

In [5]:
```
def db_delete(db_name, table_name):
    with sqlite3.connect(db_name) as con:
        try:
            cur = con.cursor()
            sql = 'DELETE FROM {}'.format(table_name)
            cur.execute(sql)
        except Exception as e:
            print(str(e))
```

In [6]:
```
# db_delete(DB_NAME, TABLE_NAME)
```

In [7]:
```
top_cites = pd.read_csv('top_cities.csv')
db_save(top_cites, DB_NAME, TABLE_NAME)
```

```
5 건 저장완료..
```

In [8]:
```
df = db_select(DB_NAME, TABLE_NAME)
df
```

Out[8]:

	rank	city	population
0	1	상하이	24150000
1	2	카라치	23500000
2	3	베이징	21516000
3	4	톈진	14722100

	rank	city	population
4	5	이스탄불	14160467

In [ ]:

In [ ]: