1. test1 = 'This is a test of the emergency text system,'

print(test1)

with open('test.txt','w') as file:

file.write(test1)

file.close()

This is a test of the emergency text system,

# read the contents of test.txt

! type test.txt

This is a test of the emergency text system,

1. with open('test.txt','r') as file:

test2 = file.read()

print(test2)

print(test1 == test2)

This is a test of the emergency text system,

True

1. title,author,year

The Weirdstone of Brisingamen,Alan Garner,1960

Perdido Street Station,China Miéville,2000

Thud!,Terry Pratchett,2005

The Spellman Files,Lisa Lutz,2007

Small Gods,Terry Pratchett,1992

data = '''title,author,year

The Weirdstone of Brisingamen,Alan Garner,1960

Perdido Street Station,China Miéville,2000

Thud!,Terry Pratchett,2005

The Spellman Files,Lisa Lutz,2007

Small Gods,Terry Pratchett,1992'''

with open('books.csv','w') as file:

file.write(data)

1. import sqlite3

db = sqlite3.connect('books.db')

cursor = db.cursor()

cursor.execute("CREATE TABLE books (title text, author text, year int)")

db.commit()

db.close()

1. import sqlite3

import csv

conn = sqlite3.connect("books.db")

cursor = conn.cursor()

with open("books.csv","r") as file:

books = csv.DictReader(file)

for book in books:

cursor.execute("INSERT INTO books VALUES (?,?,?)",(book['title'],book['author'],book['year']))

conn.commit()

conn.close()

1. import sqlite3

conn = sqlite3.connect('books.db')

cursor = conn.cursor()

output = cursor.execute("SELECT title FROM books ORDER BY title ASC")

for ele in output:

print(ele[0])

conn.commit()

conn.close()

Perdido Street Station

Small Gods

The Spellman Files

The Weirdstone of Brisingamen

Thud!

1. import sqlite3

conn = sqlite3.connect('books.db')

cursor = conn.cursor()

ouput = cursor.execute("SELECT \* FROM books ORDER BY year")

for record in ouput:

print(record)

('The Weirdstone of Brisingamen', 'Alan Garner', 1960)

('Small Gods', 'Terry Pratchett', 1992)

('Perdido Street Station', 'China Miéville', 2000)

('Thud!', 'Terry Pratchett', 2005)

('The Spellman Files', 'Lisa Lutz', 2007)

1. import sqlalchemy

conn = sqlalchemy.create\_engine('sqlite:///books.db')

conn

Engine(sqlite:///books.db)

1. ! python -m pip install redis

Requirement already satisfied: redis in c:\programdata\anaconda3\lib\site-packages (3.5.3)

import redis

conn = redis.Redis()

conn.hset('test',{

'count':1,

'name':'Fester Bestertester'

})

conn.hgetall('test')

1. conn.hincrby('test', 'count', 1)

conn.hget('test', 'count')

b'13'