Python basic assignment 20:

Q1) test1 = "This is a test of the emergency text system"

file = open("text.txt", "w")

file.write("test1 =" + "This is a test of the emergency text system" + "\n")

file.close()

Q2) with open('text.txt') as f:

test2 = f.readlines()

print(test2)

Output: ['test1 =This is a test of the emergency text system\n’]

There is difference between test 1 and test 2. Test 1, = and \n are extra in test 2.

Q3) import csv

row\_list = [

["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', newline = '') as file:

writer = csv.writer(file)

writer.writerows(row\_list)

file.close()

Q4) import sqlite3

conn = sqlite3.connect('books')

c = conn.cursor()

c.execute('''CREATE TABLE IF NOT EXISTS books

([title] TEXT, [author] TEXT, [year] INTEGER)''')

conn.commit()

conn.close()

Q5) with open('books.csv', mode = 'r') as file:

csvread = csv.reader(file)

for lines in csvread:

print(lines)

conn = sqlite3.connect('books')

c = conn.cursor()

c.execute('''INSERT INTO books (title, author, year)

VALUES

('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)

''')

conn.commit()

Code not working. Output: OperationalError: table books has no column named title. May be error in question 4.

Q6) SELECT

title

FROM

books

ORDER BY

title ASC;

Q7) SELECT

title, author, year

FROM

books

ORDER BY

year ASC;

Q8) import sqlachemy as sal

from sqlachemy import create\_engine

engine = sal.create\_engine(http://localhost:8889/edit/books)

conn = engine.connect()