import pandas as pd

import openpyxl

import os

import sqlalchemy

import pymysql

import sqlalchemy as db

import sqlite3

import sqlitecloud

#PRAGMA encoding = "UTF-8";

"Import Dataset as DataFrame"

data\_set2 = pd.read\_csv("train.csv")

df\_data\_set2 = pd.DataFrame(data\_set2)

"Print Dataset Head"

df\_data\_set2.head()

print("sqlalchemy: {}".format(sqlalchemy.\_\_version\_\_))

print("pymysql: {}".format(pymysql.\_\_version\_\_))

engine = db.create\_engine("sqlite:///db.prac-assignment.sqlite")

#engine\_utf8 = unicode(engine,'utf-8')

connection = engine.connect()

meta\_data = db.MetaData()

train\_table = db.Table("train\_new", meta\_data, db.Column("X-Input", db.Float, nullable=False), db.Column("Y-Func1", db.Float, nullable=False), db.Column("Y-Func2", db.Float, nullable=False), db.Column("Y-Func3", db.Float, nullable=False), db.Column("Y-Func4", db.Float, nullable=False), autoload=True, autoload\_with=engine)

meta\_data.create\_all(engine)

#train\_table = db.Table("train\_new", meta\_data, autoload=True, autoload\_with=engine)

sql\_query = db.insert(train\_table)

data\_list = [{"X-input":1, "Y-func1":2, "Y-func2":3, "Y-func3":4, "Y-func4":5}]

result = connection.execute(sql\_query, data\_list)

print(result)

select\_train = db.select([train\_table])

dataset = connection.execute(select\_train).fetchall()

for row in dataset:

print(row)

sql\_query = db.delete(train\_table)

#result = connection.execute(sql\_query, data\_list)

sql\_del = connection.execute("DELETE FROM train\_new")

for row in dataset:

print(row)