import mysql.connector as connection

import csv

#mysql connection

mydb = connection.connect(host="localhost",user="root", passwd="mysql",use\_pure=True)

#print("DB connection", mydb.is\_connected())

curs = mydb.cursor()

# Database creation

curs.execute("create database CarbonNanoTubes")

print("Database CarbonNanoTubes created! ")

#Connecting to DB

mydb = connection.connect(host="localhost",database ="CarbonNanoTubes",user="root", passwd="mysql",use\_pure=True)

print("DB CarbonNanoTubes connection: ", mydb.is\_connected())

curs = mydb.cursor()

# creating table

curs.execute("create table CarbonNanoTubes(col\_1 INT(20),col\_2 INT(20),col\_3 INT(20),col\_4 INT(20),col\_5 INT(20),"\

"col\_6 INT(20),col\_7 INT(20),col\_8 INT(20),col\_9 INT(20),col\_10 INT(20),col\_11 INT(20),col\_12 INT(20),"\

"col\_13 INT(20),col\_14 INT(20))")

print(" Table CarbonNanoTubes created with columns !")

# inserting Data from CSV to sql

with open("D:\Ineuron\Python Practice\Python live class notebooks\carbon\_nanotubes.csv", "r") as f:

next(f)

data = csv.reader(f,delimiter="\n")

Null\_count =0

for i in data:

str\_rep =str(i[0]).replace(";",",")

Count = str\_rep.count(",")

if Count == 13:

pass

else:

str\_rep = str\_rep +",NULL"

Null\_count =Null\_count+1

curs.execute('INSERT INTO CarbonNanoTubes values ({values})'.format(values = str\_rep))

print("Number of NULL values inserted are",Null\_count)

print("Data inserted")

mydb.commit()

f.close()

curs.close()

mydb.close()