**PROBLEM:**

**🡪DOWNLOAD TWO CSV FILES TO LOCAL AND STORE THEM IN ANY DATABASE.**

**🡪MERGE TWO TABLES IN DATABASE**

**🡪DELETE THE DOWNLOADED FILE FROM LOCAL**

**SOLUTION:**

* **STEP1: task.py**

import csvimport requestsimport psycopg2import osfrom urllib import request

**def LoadFile\_1():**

file1\_url=

"http://insight.dev.schoolwires.com/HelpAssets/C2Assets/C2Files/C2MassAssignUsersSample\_.csv" input1 = requests.get(file1\_url, stream = True)

output1 = open("/home/baadmin/december6/input/file1.csv",'a')

for line in input1:

content = ''.join(chr(x) for x in line) #To format the csv file (binary file to string)

c=content.rstrip() # to remove the extra space at the end of csv file

print(c, file=output1)

**def LoadFile\_2():**

file2\_url = "http://insight.dev.schoolwires.com/HelpAssets/C2Assets/C2Files/C2ImportFamRelSample.csv" input2 = requests.get(file2\_url, stream = True)

output2 = open("/home/baadmin/december6/input/file2.csv",'a') for line in input2:

content = ''.join(chr(x) for x in line) c=content.rstrip() print(c, file=output2)

**def ConnectDb\_1():**

conn = psycopg2.connect("host='localhost' port='5432' dbname='sangeedb' user='postgres' password='Password!234'") cur = conn.cursor()

f=open("/home/baadmin/december6/input/file1.csv", 'r') #copy\_stmt = """COPY {} FROM STDIN WITH CSV {} QUOTE AS '"' """.format('csvtable1',('"UserCode"','"GroupCode"'))

cur.copy\_from(f, 'csvtable1', sep=',',columns=('"UserCode"','"GroupCode"'))

cur.execute(""" Delete from csvtable1 where "UserCode" = 'UserCode' """) #cur.copy\_expert("COPY csvtable1 TO STDOUT WITH CSV HEADER", sys.stdout) cur = conn.cursor()

conn.commit()

conn.close()

**def ConnectDb\_2():** conn = psycopg2.connect("host='localhost' port='5432' dbname='sangeedb' user='postgres' password='Password!234'")

cur = conn.cursor() f=open("/home/baadmin/december6/input/file2.csv", 'r') cur.copy\_from(f, 'csvtable2', sep=',',columns=('"Parent Identifier"','"Student Identifier"')) cur.execute(""" Delete from csvtable2 where "Parent Identifier" = 'Parent Identifier' """) #cur.copy\_expert("COPY csvtable2 TO STDOUT WITH CSV HEADER", sys.stdout) cur = conn.cursor() conn.commit() conn.close()

**def RemoveCsvFile():**

os.remove("/home/baadmin/december6/input/file1.csv") os.remove("/home/baadmin/december6/input/file2.csv")

**#Function call** LoadFile\_1()LoadFile\_2()ConnectDb\_1()ConnectDb\_2()RemoveCsvFile()

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* **STEP2: postgres**

su sudo postgres

psql

\c sangee db

create table csvtable1(“UserCode” varchar(20),”GroupCode” varcahr2(20));

sangeedb=# select \* from csvtable1;

**UserCode | GroupCode**

**----------+-----------**

**(0 rows)**

sangeedb=# select \* from csvtable2;

**Parent Identifier | Student Identifier**

**-------------------+--------------------**

**(0 rows)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**To run the code : python task.py**

sangeedb=# select \* from csvtable1;

**UserCode | GroupCode**

**----------+-----------**

**1051 | 555**

**1150 | 555**

**1152 | 555**

**1154 | 555**

**(4 rows)**

sangeedb=# select \* from csvtable2;

**Parent Identifier | Student Identifier**

**-------------------+--------------------**

**1001 | 1002**

**1010 | 1020**

**(2 rows)**

sangeedb=# select \* from csvtable1,csvtable2;

**UserCode | GroupCode | Parent Identifier | Student Identifier**

**----------+-----------+-------------------+--------------------**

**1051 | 555 | 1001 | 1002**

**1150 | 555 | 1001 | 1002**

**1152 | 555 | 1001 | 1002**

**1154 | 555 | 1001 | 1002**

**1051 | 555 | 1010 | 1020**

**1150 | 555 | 1010 | 1020**

**1152 | 555 | 1010 | 1020**

**1154 | 555 | 1010 | 1020**

**(8 rows)**