Table in mysql DB

CREATE TABLE book_assesmnt (title VARCHAR(255) ,sub_tittle VARCHAR(255) ,isbn VARCHAR(255),price VARCHAR(255), PRIMARY KEY(isbn));

Airflow operator

```
import json
import csv
import requests
import MySQLdb
import re
from http.client import responses
from jsonpath_ng import jsonpath, parse as jparse
from airflow.models import BaseOperator
from airflow.utils.decorators import apply defaults
from airflow.exceptions import AirflowException
class BookStoreOperator(BaseOperator):
  def __init__(self, api_url: str, req_type = "GET", output_csv = "", json_path: str = None,
api_headers: dict = None, pay_load: dict = None, mapping: dict = None, *args, **kwargs):
       super(). init (*args, **kwargs)
       self.api_url = api_url
       self.req_type = req_type
       self.output_csv = output_csv
       self.json_path = json_path
       self.api headers = api headers
       self.pload = pay_load
       self.mapping = mapping
  def execute(self, context):
       mydb = MySQLdb.connect(host='localhost',
          user='root',
          passwd='root',
         db='bookStore')
       cursor = mydb.cursor()
       response = requests.request(self.req_type, self.api_url_headers = self.api_headers,data =
self.pload)
       sucess range = re.search(r'2[0-9][0-9]', str(response.status code))
       if not (sucess_range):
         raise AirflowException("Response status code is " + str(response.status_code) + " and
response status is ""+ responses[response.status code]+""")
       data = response.json()
```

```
jsonpath_expression = jparse(self.json_path)
    match = jsonpath expression.find(data)
    if len(match) > 0:
       result = match[0].value
    else:
       raise AirflowException('can not get match')
    # now we will open a file for writing
    data_file = open(self.output_csv, 'w')
    # create the csv writer object
    csv_writer = csv.writer(data_file)
    # Writing headers of CSV file
    header = self.mapping.keys()
    csv_writer.writerow(header)
    for values_in_result in result:
       row = []
       #csv_writer.writerow(mapping.values())
       for each_value in self.mapping.values():
         jsonpath_exp = jparse(each_value)
         matcher = jsonpath_exp.find(values_in_result)
         mapping_value = "
         if len(matcher) > 0:
            mapping_value = matcher[0].value
         row.append(mapping_value)
       csv_writer.writerow(row)
       try:
         cursor.execute('INSERT INTO book_assesmnt VALUES(%s, %s, %s, %s, %s)',row)
       except Exception as e:
         print('Could not save', str(e))
#close the connection to the database.
    mydb.commit()
    cursor.close()
    data_file.close()
    return True
```

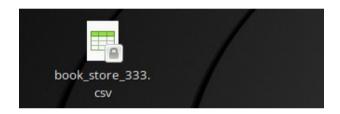
Dag

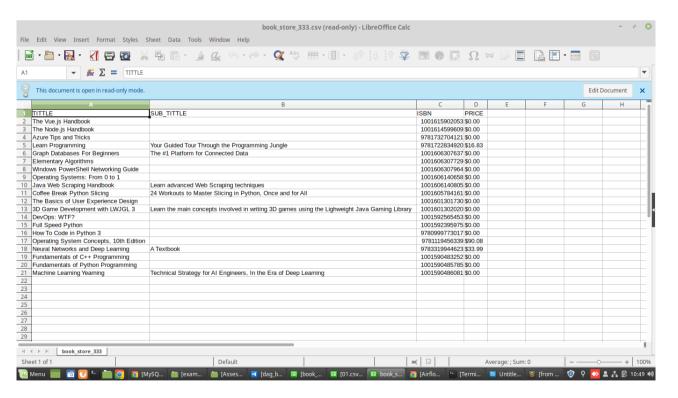
```
from datetime import timedelta
import airflow
from airflow import DAG
from airflow.operators.book store operator import BookStoreOperator
import pendulum
from datetime import datetime
from airflow.models import Variable
local tz = pendulum.timezone("Australia/Sydney")
default args = {
    'owner': 'cfy',
    'depends_on_past': False,
    'start_date': airflow.utils.dates.days_ago(1),
    'email': ['prasadi.jayakodi@novigi.com.au'],
    'email on failure': True,
    'email_on_retry': True,
    'retries': 0,
    'retry_delay': timedelta(minutes=5)
dag = DAG('dag_book_store',
    default args=default args,
    schedule_interval="50 22 * * *",
    tags=['json', 'to_csv'])
t0 = BookStoreOperator(
    task_id='dag_book_store',
    api_url= 'https://api.itbook.store/1.0/new',
    req_type= 'GET',
    output csv= '/home/prasadi/Desktop/book store 333.csv',
    json_path = '$.books',
    api_headers= ",
    pay_load= ",
    mapping= {'TITTLE' : '$.title','SUB_TITTLE' : '$.subtitle','ISBN' :
'$.isbn13','PRICE' : '$.price'},
    dag=dag,
    auto commit=True)
t0
```

Data inserted to db

mysql> select * from book_assesmnt;				
title	sub_tittle	isbn	price	į
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20 rows in set (0.00 sec)				

CSV file created in given location





Airflow UI

