Insertion des attribute dans la table Attribute

Import des bibliothèques

Entrée [ ]:
```
from lxml import etree
import pandas as pd
import mysql.connector
from mysql.connector import Error
import re
```

Parsage du catalogue Attribute

Entrée [ ]:
```
# à modifier avant chaque traitement d'un nouveau fichier XML
refPath = 'unzipped_files/cat-attributes-fr-25-11-2019_11-41-09'

xtree = etree.parse(refPath)
xroot = xtree.getroot()
```

Entrée [ ]:
```
for child in list(xroot):
    print(child.tag)
```

Génération d'un dataframe dfAttribute

Entrée [ ]:
```
df_cols = ["attributId", "textFr"]
rows=[]

for att in xroot.findall('attributes'):
    for a,att1 in enumerate(att.getchildren()):
        b = att1.getchildren()
        for i,y in enumerate(b):
            langue = y.attrib['Lang']
            texte = y.text
            if langue == "fr":
                rows.append({"attributId": str(att1.attrib['id']),
                             "textFr": str(texte)})
dfAttribute = pd.DataFrame(rows, columns=df_cols)
dfAttribute
```

Suppression des apostrophes

Entrée [ ]:
```
dfAttribute.textFr.replace("'"," ", regex=True, inplace=True)
```

Insertion des données du dataframe dans la table Attribute

Entrée [ ]:
```
connection_config = {
                     'host':"localhost",
                     'port': 3308,
                     'database': 'bihr_db',
                     'user': 'BASTIER',
                     'passwd': "DA2019",
                     #'autocommit': True
                     }
```

Entrée [ ]:

```
try:
    connection = mysql.connector.connect(**connection_config)

    for i in range(dfAttribute.shape[0]):
        Attrib = dfAttribute.iloc[i]
        AttributeInsertQuery = """INSERT INTO attribute (attributeID, textFr)
                       VALUES
                       ("""+ """'""" + str(Attrib['attributId']) + """','"""+ str(
        cursor = connection.cursor()
        result = cursor.execute(AttributeInsertQuery)
        #print(Attrib['attributId'])

    connection.commit()
    print("Insertion datas in Attribute table successful ")
    cursor.close()

except mysql.connector.Error as error:
    print("Failed to insert datas in Attribute table : {}".format(error))

finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
```