L1_Exercise_2_Creating_a_Table_with_Apache_Cassandra

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1 Lesson 1 Exercise 2: Creating a Table with Apache Cassandra

Walk through the basics of Apache Cassandra. Complete the following tasks:

Create a table in Apache Cassandra,

Insert rows of data,

Run a simple SQL query to validate the information. ##### denotes where the code needs to be completed.

Import Apache Cassandra python package

```
In [27]: import cassandra
```

1.0.1 Create a connection to the database

1.0.2 TO-DO: Create a keyspace to do the work in

1.0.3 TO-DO: Connect to the Keyspace

1.0.4 Create a Song Library that contains a list of songs, including the song name, artist name, year, album it was from, and if it was a single.

```
song_title artist_name year album_name single
```

1.0.5 TO-DO: You need to create a table to be able to run the following query:

1.0.6 TO-DO: Insert the following two rows in your table

```
First Row: "1970", "Let It Be", "The Beatles", "Across The Universe", "False",

Second Row: "1965", "Think For Yourself", "The Beatles", "Rubber Soul", "False"

In [32]: ## Add in query and then run the insert statement

query = "INSERT INTO songs(song_title, artist_name, year, album_name, single)"

query = query + " VALUES (%s, %s, %s, %s)"

try:

session.execute(query, ("Let It Be", "The Beatles", 1970, "Across The Universe", False except Exception as e:

print(e)

try:

session.execute(query, ("Think For Yourself", "The Beatles", 1965, "Rubber Soul", False except Exception as e:

print(e)
```

1.0.7 TO-DO: Validate your data was inserted into the table.

```
rows = session.execute(query)
except Exception as e:
    print(e)

for row in rows:
    print (row.year, row.album_name, row.artist_name)

1965 Rubber Soul The Beatles
1970 Across The Universe The Beatles
```

1.0.8 TO-DO: Validate the Data Model with the original query.

1.0.9 And Finally close the session and cluster connection