Assignment 3 - Introduction to Amazon DynamoDB

In this lab, you will learn how to:

- Create an Amazon DynamoDB table
- Insert data into the Amazon DynamoDB table
- Query data from the Amazon DynamoDB table
- Delete the Amazon DynamoDB table

What is Amazon DynamoDB?

Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. DynamoDB lets you offload the administrative burdens of operating and scaling a distributed database so that you don't have to worry about hardware provisioning, setup and configuration, replication, software patching, or cluster scaling. DynamoDB also offers encryption at rest, which eliminates the operational burden and complexity involved in protecting sensitive data.

https://aws.amazon.com/dynamodb/
DynamoDB documentation

Introduction to Qwiklabs:

Qwiklabs is an online platform that provides end to end training in Cloud Services. This is a platform where you can learn in a live environment anywhere, anytime and on any device. Qwiklabs offers training through various Labs which are specially designed to get you trained in Google Cloud Platform (GCP) as well as Amazon Web Services (AWS). In this course, we will be working with labs that familiarize you with AWS.

Points to note:

1. Qwiklabs will create a temporary AWS account with all the required permissions and access to complete the lab. Do NOT use your personal AWS account**.** To prevent conflicts with any AWS account that you have already signed into on your browser, use Incognito/Private mode.
2. When using the Qwiklabs created AWS account, DO NOT change the default region/ VPC or any other settings that are automatically created by Qwiklabs.
3. The Qwiklabs lab session is timed. After the time limit is reached/ timer runs out, the AWS account will be removed and you'll have to restart the lab from scratch.
4. All code and configuration for the Qwiklabs lab has already been given. The lab experiments do not need you to code anything from scratch, or deviate from this. However, in some instances you may have to name the resources you avail differently, as instructed.

5. DO NOT try to access or avail any other resources and services that have not been described in the lab session or your account will be blocked.
6. Ensure that you have signed into Qwiklabs from your Google account.

Instruction:

Task 1: Create new Table

Step 5: For **Table name**, type <your-srn>

From here on all references to Table "Music" is Table <your-srn>

Deliverables:

The following screenshots are to be submitted:

a. Screenshot showing successful creation of table name <your-srn>. Refer: *pes1201801295_1a.jpg*
b. Screenshot the inserted items in DynamoDB. Steps to reproduce:
    i. Left Navigation list: DynamoDB -> Tables -> explore items
    ii. Click on run, Make sure table <your-srn> is selected.
    iii. Scroll down to see table name and returned items from DynamoDB. Refer: *pes1201801295_2a.jpg*
c. Screenshot showing the updated data. Artist Psy's year attribute updated to 2012. Refer *pes1201801295_3a.jpg*.
d. Screenshot showing query results. Refer *pes1201801295_4a.jpg*.
e. Screenshot showing scan results. Refer *pes1201801295_4b.jpg*.

For evaluation:

The submission has 2 parts:

1. Word doc - add all screenshots, file name: your-srn.doc/docx
2. Zip file - The zip file contains only the screenshots, no word document. There should be no subfolders within the zip file. No other file extension other than .zip will be considered. file name: your-srn.zip

Click on the following link to go to the Qwiklabs lab: Introduction to Amazon DynamoDb

Read and follow the instructions carefully to complete the lab.