## **DBT Assignment-4**

#### **ASHWIN KRISHNA P**

PES1201801465

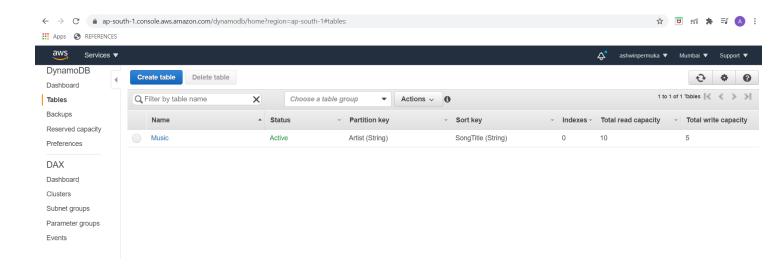
SEM: 5, SECTION: F

# **DynamoDB (Key Value Database)**

Creating a table called Music, and specifying attributes:-

```
| Commentation | Comm
```

Now the Music table has been created successfully.



#### Command to Describe the table:-

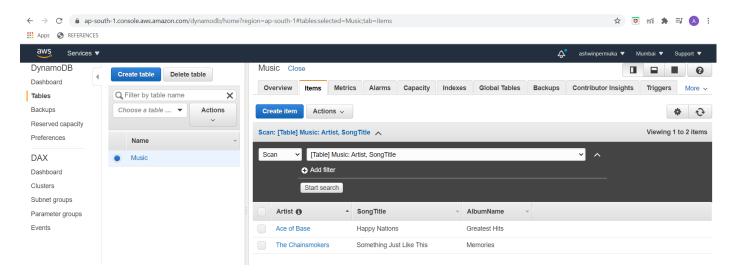
```
C:\text{Wisers\ashsis_}

C:\text{Wisers\ashsis
```

### Insert1.json and insert2.json files

### Inserting the above 2 items:-

### After inserting those 2 items:-



#### Scan the table to see all items:

Query to project "SongTitle" of all items where Artist is "The Chainsmokers" :-

### query1.json:

```
query1 - Notepad

File Edit Format View Help

{
    ":v1":{"S":"The Chainsmokers"}
}
```

### Inserting one more item:-

```
C. Command Prompt!

C. Ubers Austhalia Sans dynamodb put-lites --table-name Phusic --item file://item3.jcom

C. Ubers Austhalia Sans dynamodb scam --table-name Phusic

Titems!

{

    **Tems!*;
    **Si** "Promotive **
    **Albustname to **
    **Si** "Dynamite**

    **Si** "Dynamite**

    **Si** "The of Base*

    **Jubantname to **
    **Si** "Face of Base*

    **Jubantname to **
    **Si** "Face of Base*

    **Si** "Face of Base*

    **Si** "Si** "Repay Nations**

    **Si** "Repay Nations**

    **Si** "Repay Nations**

    **Si** "Semething Just Like This**

    **Si** "Semething Just Like This**

    **Si** "Sementang Just Like This**

    **Si** "Si** "Si**
```

#### item3.json

```
item3 - Notepad

File Edit Format View Help

{

    "Artist": {"S": "BTS"},

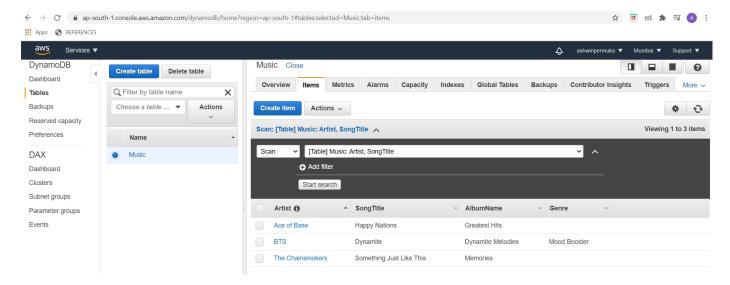
    "SongTitle": {"S": "Dynamite"},

    "AlbumName": {"S": "Dynamite Melodies"},

    "Genre": {"S": "Mood Booster"}

}
```

#### After inserting item3:



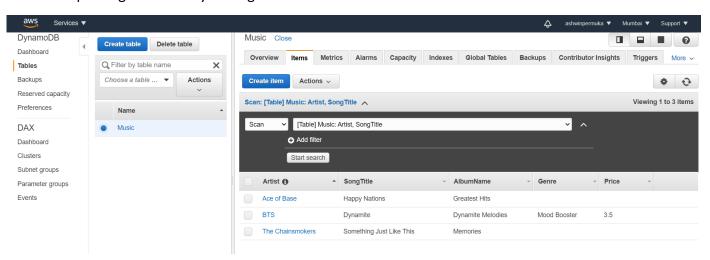
### **Updating** the table :-

Updating the provisioned-throughput ReadCapacity and WriteCapacity units:

### Updating the table by adding new attribute called "Price":

### update\_price.json

### After the updating the table by adding Price:



### **Updating the item** by changing the value of "Price" of a particular item:

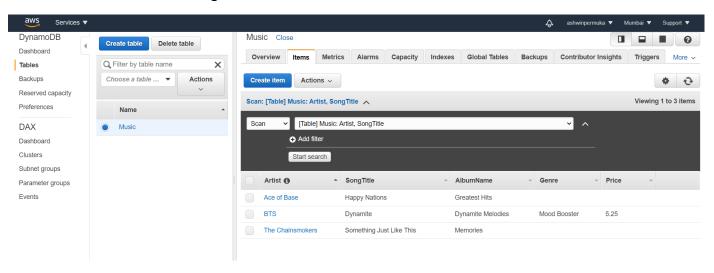
### u1.json and u1 values.json

```
illustration in the part of th
```

### key1.json

### Scanning entire table after the update:

We can observe the same change in aws console also:



### Updating the table by creating a global secondary index:

```
Command Prompt

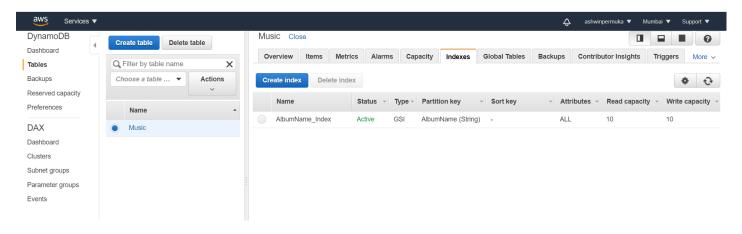
(Noner-Variables option-table -table-mase Music --attribute definitions Attribute/mase.Albuminus, Attribute/myses --global-secondary.index-updates file://gii.json

"mallobescriptori" | "mallobescriptori" | "mallobescriptoris" | "mallobescriptoris | "mallobescriptoris" | "mallobescriptoris | "mallobescriptoris | "mallobescriptoris | "mallobescriptoris | "ma
```

### Ggi.json file:

```
🗐 gsi - Notepad
                                                                                         File Edit Format View Help
                   "Create": {
                             "IndexName":"AlbumName_Index",
                             "KeySchema": [
                                       {
                                                 "AttributeName":"AlbumName",
                                                 "KeyType":"HASH"
                             "Provisioned Throughput": \{
                                       "ReadCapacityUnits":10,
                                       "WriteCapacityUnits":10
                             },
"Projection":{
                             "ProjectionType":"ALL"
                   }
        }
```

### After creating the index:



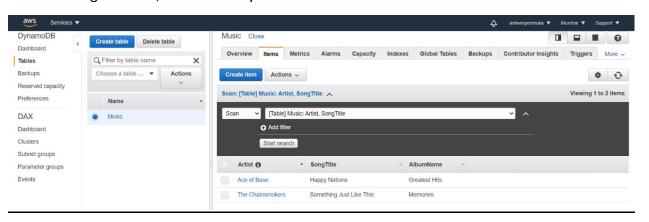
### Deleting an item from table:-

To delete an item from Music table, specifying delete item as the key,

```
Command Prompt

Clusers\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\under\users\users\under\users\users\under\users\under\users\under\users\under\users\under\users\under\users\under\users\under\users\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\
```

After deleting the item, there are only 2 items now:



### Deleting a table:-

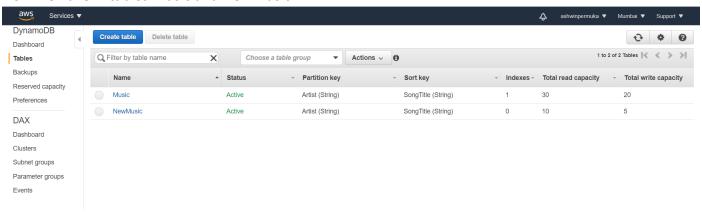
Here I create a new table called 'NewMusic' and then I delete it.

Creating the table NewMusic:

```
C. Users Assistations dynamic list-tables

("libers Assistations dynamic create-table -table-name Nowfucit -attribute-definitions Attribute/spe-5 Attribute/spe-5 Attribute/spe-5 -key-schema Attribute/sme-artist, Asylype-smooth Attribute/sme-artist, Attribute/spe-5 Attribute/spe-5 -key-schema Attribute/sme-artist, Asylype-smooth Attribute/sme-artist, Asylype-smooth Attribute/sme-artist, Attribute/spe-5 -key-schema Attribute/sme-artist, Asylype-smooth Attribute/sme-artist, Asylype-smooth
```

Now we have 2 tables Music and NewMusic:



### Deleting the table NewMusic:-

We use delete-table command to delete a table

```
C:\Users\ashwi>aws dynamodb delete-table --table-name NewMusic

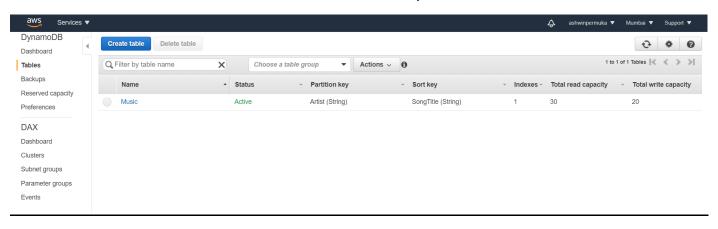
{
    "TableDescription": {
        "TableStatus": "DELETING",
        "TableStatus": "DELETING",
        "ProvisionedThroughput": {
            "NumberOfDecreasesToday": 0,
            "ReadCapacityUnits": 10,
            "WhiteCapacityUnits": 5
        },
        "TableStatus": 0,
        "ItemCount": 0,
        "TableArn": "arn:aws:dynamodb:ap-south-1:207477500461:table/NewMusic",
        "TableId": "71116568-7dc1-4dba-897c-558c69d7b5f8"
}

C:\Users\ashwi>aws dynamodb list-tables

{
        "TableNames": [
            "Music"
        ]
}

C:\Users\ashwi>
```

Now we can see that the NewMusic table has been successfully deleted:



## Thank you