

CLOUD COMPUTING – UE20CS351

SRN : PES1UG20CS825

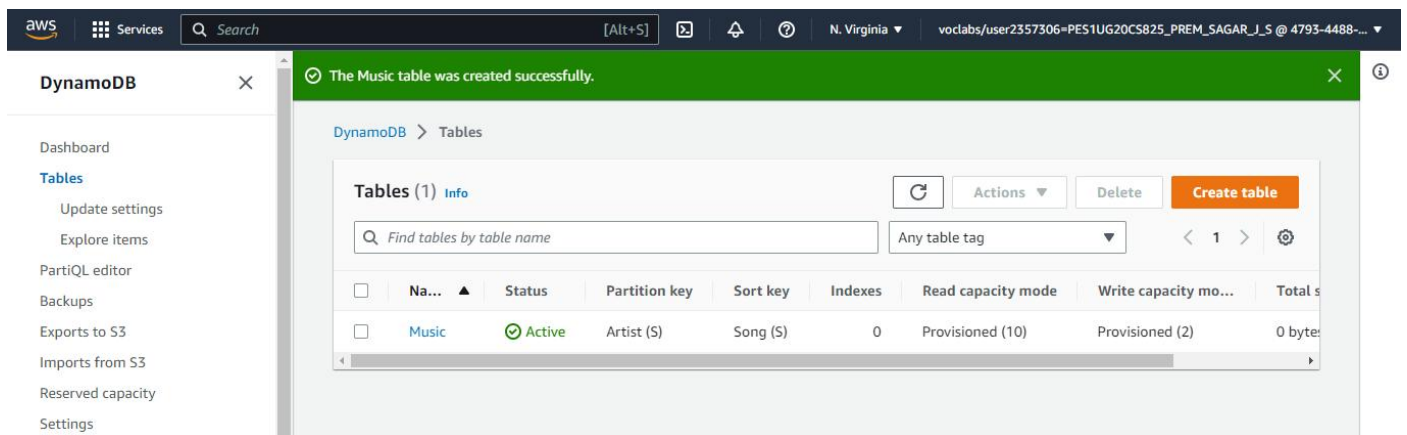
NAME : PREM SAGAR J S

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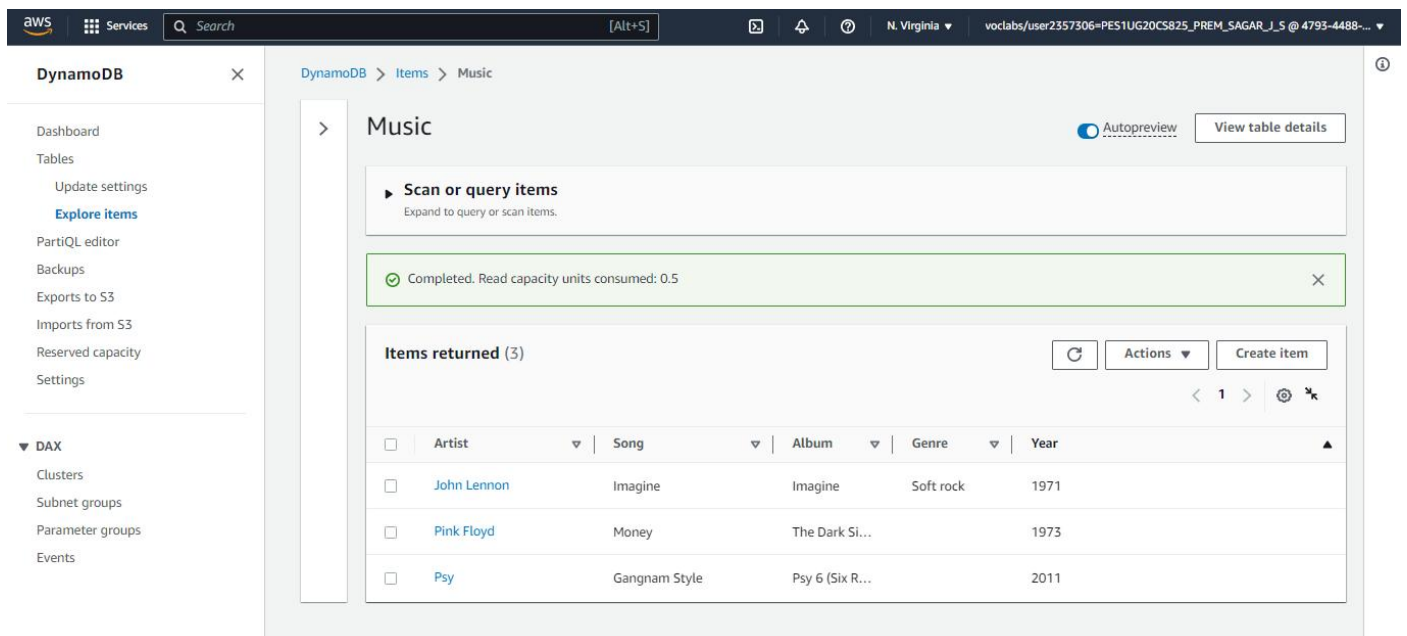
Experiment 3: – Introduction to Amazon DynamoDB

The following screenshots are to be submitted:

➤ Screenshot 1a: Creation of table



➤ Screenshot 2a: Show the inserted entries in table



➤ Screenshot 3a: Show the entries post update.

The screenshot shows the AWS DynamoDB console interface. On the left is a navigation menu with options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings, DAX, Clusters, Subnet groups, Parameter groups, and Events. The main panel is titled 'Music' and shows a 'Scan or query items' section with a status bar indicating 'Completed. Read capacity units consumed: 0.5'. Below this, a table displays 'Items returned (1/3)'. The table has columns for Artist, Song, Album, Genre, LengthSeconds, and Year. The first two items are John Lennon (Imagine, Soft rock, 1971) and Pink Floyd (Money, The Dark Si..., 1973). The third item, Psy (Gangnam Style, Psy 6 (Six R..., 219, 2012), is selected with a checkbox.

| | Artist | Song | Album | Genre | LengthSeconds | Year |
|-------------------------------------|-------------|---------------|-----------------|-----------|---------------|------|
| <input type="checkbox"/> | John Lennon | Imagine | Imagine | Soft rock | | 1971 |
| <input type="checkbox"/> | Pink Floyd | Money | The Dark Si... | | | 1973 |
| <input checked="" type="checkbox"/> | Psy | Gangnam Style | Psy 6 (Six R... | | 219 | 2012 |

➤ Screenshot 4a: Result of the query Artist (Partition key): Psy, Song (Sort key): Equal toGangnam Style.

The screenshot shows the AWS DynamoDB console interface with the 'Music' table selected. The 'Scan or query items' section is expanded, showing the 'Query' tab selected. The configuration includes: 'Select a table or index' set to 'Table - Music', 'Select attribute projection' set to 'All attributes', 'Artist (Partition key)' set to 'Psy', 'Song (Sort key)' set to 'Equal to' with 'Gangnam Style' in the input field, and 'Sort descending' unchecked. Below the configuration is a 'Filters' section with 'Run' and 'Reset' buttons. A status bar indicates 'Completed. Read capacity units consumed: 0.5'. The 'Items returned (1)' section shows a single result in a table with columns Artist, Song, Album, LengthSeconds, and Year. The result is Psy, Gangnam Style, Psy 6 (Six R..., 219, 2012.

| | Artist | Song | Album | LengthSeconds | Year |
|--------------------------|--------|---------------|-----------------|---------------|------|
| <input type="checkbox"/> | Psy | Gangnam Style | Psy 6 (Six R... | 219 | 2012 |

➤ Screenshot 4b: Result of Scan filter

The screenshot shows the AWS DynamoDB console interface. On the left is a navigation menu with options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings, DAX, Clusters, Subnet groups, Parameter groups, and Events. The main panel is titled 'Music' and contains a 'Scan or query items' section. In this section, the 'Scan' radio button is selected, and the 'Table - Music' is chosen. A filter is applied: 'Year' is set to 'Number', 'Equal to', and '1971'. The 'Run' button is highlighted in orange. Below the filter section, a green status bar indicates 'Completed. Read capacity units consumed: 0.5'. The 'Items returned (1)' section shows a table with one item:

| | Artist | Song | Album | Genre | Year |
|--------------------------|-------------|---------|---------|-----------|------|
| <input type="checkbox"/> | John Lennon | Imagine | Imagine | Soft rock | 1971 |

➤ Screenshot 5a: Data after deletion of an item from the table (1 mark)

The screenshot shows the AWS DynamoDB console interface after a deletion operation. A green banner at the top states 'Selected items have been deleted successfully.' The main panel is titled 'Music' and contains a 'Scan or query items' section. The 'Scan' radio button is selected, and the 'Table - Music' is chosen. A filter is applied: 'Year' is set to 'Number', 'Equal to', and '1971'. The 'Run' button is highlighted in orange. Below the filter section, a green status bar indicates 'Completed. Read capacity units consumed: 0.5'. The 'Items returned (2)' section shows a table with two items:

| | Artist | Song | Album | Genre | Year |
|--------------------------|-------------|---------|----------------|-----------|------|
| <input type="checkbox"/> | John Lennon | Imagine | Imagine | Soft rock | 1971 |
| <input type="checkbox"/> | Pink Floyd | Money | The Dark Si... | | 1973 |