

# CLOUD COMPUTING

## EXPERIMENT – 3

### DynamoDB

Name : Sanmat Sanjayakumar Payagoudar

SRN : PES1UG20CS385

Section : G

1a: Creation of table

The screenshot displays the AWS Management Console interface for Amazon DynamoDB. The left sidebar shows the 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 content area shows the 'Tables' section with a table list. A table named 'Music' is in the 'Creating' status. The table has a partition key of 'Artist (S)' and a sort key of 'Song (S)'. It is provisioned with 10 read capacity units and 2 write capacity units. The total size is 0 bytes and the table class is 'Standard'. A blue banner at the top of the console indicates that the 'Music' table is being created and will be available shortly. The bottom of the console shows the footer with copyright information and links to Privacy, Terms, and Cookie preferences.

Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Total size	Table class
Music	Creating	Artist (S)	Song (S)	0	Provisioned (10)	Provisioned (2)	0 bytes	Standard

## 2a: Show the inserted entries in table

The screenshot shows the AWS DynamoDB console interface. On the left is a navigation sidebar 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 content area is titled 'DynamoDB > Items > Music'. A 'Tables (1)' panel on the left shows the 'Music' table selected. The 'Music' table details panel on the right shows a 'Scan or query items' button and a status message: 'Completed. Read capacity units consumed: 0.5'. Below this, a table titled 'Items returned (3)' displays the following data:

	Artist	Song	Album	Genre	Year
<input type="checkbox"/>	Psy	Gangnam Style	Psy 6 (Six R...		2011
<input type="checkbox"/>	John Lennon	Imagine	Imagine	Sorf rock	1971
<input type="checkbox"/>	Pink Floyd	Money	The Dark Si...		1973

## 3a: Show the entries post update

The screenshot shows the AWS DynamoDB console interface after an update. A blue banner at the top says 'Share your feedback on Amazon DynamoDB'. A green banner below it says 'The item has been saved successfully.' The main content area is titled 'DynamoDB > Items > Music'. The 'Tables (1)' panel on the left shows the 'Music' table selected. The 'Music' table details panel on the right shows a 'Scan or query items' button and a status message: 'Completed. Read capacity units consumed: 0.5'. Below this, a table titled 'Items returned (1/3)' displays the following data:

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

## 4a: Result of the query Artist (Partition key): Psy, Song (Sort key): Equal to Gangnam Style

The screenshot shows the AWS DynamoDB console interface. On the left, the 'DynamoDB' sidebar is visible with options like Dashboard, Tables, and DAX. The main panel is titled 'Scan or query items' and shows a query configuration for the 'Table - Music'. The query is set to 'Query' mode. The 'Select a table or index' dropdown is set to 'Table - Music'. The 'Select attribute projection' dropdown is set to 'All attributes'. The 'Artist (Partition key)' is set to 'Psy'. The 'Song (Sort key)' is set to 'Equal to' with the value 'Gangnam Style'. The 'Sort descending' checkbox is unchecked. A green status bar indicates 'Completed. Read capacity units consumed: 0.5'. Below this, the 'Items returned (1)' section shows a table with one item:

Artist	Song	Album	LengthSeconds	Year
Psy	Gangnam Style	Psy 6 (Six R...	219	2012

## 4b: Result of Scan filter

The screenshot shows the AWS DynamoDB console interface. On the left, the 'DynamoDB' sidebar is visible with options like Dashboard, Tables, and DAX. The main panel is titled 'Scan or query items' and shows a scan configuration for the 'Table - Music'. The scan is set to 'Scan' mode. The 'Select a table or index' dropdown is set to 'Table - Music'. The 'Select attribute projection' dropdown is set to 'All attributes'. A filter is added: 'Year' (Type: Number, Condition: Equal to, Value: 1971). A green status bar indicates 'Completed. Read capacity units consumed: 0.5'. Below this, the 'Items returned (1)' section shows a table with one item:

Artist	Song	Album	Genre	Year
John Lennon	Imagine	Imagine	Soft rock	1971

## 5a: Data after deletion of an item from the table

The screenshot displays the AWS Management Console interface for a DynamoDB instance. The left sidebar shows the navigation menu with options like Dashboard, Tables, and DAX. The main panel is titled 'Music' and shows the 'Scan or query items' section. The 'Scan' option is selected, and the 'Run' button has been clicked. A green status bar indicates 'Completed. Read capacity units consumed: 0.5'. Below this, the 'Items returned (2)' section shows a table with 2 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

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