

**Name:** Venkata Krishnarjun Vuppala  
**SRN:** PES2UG19CS451

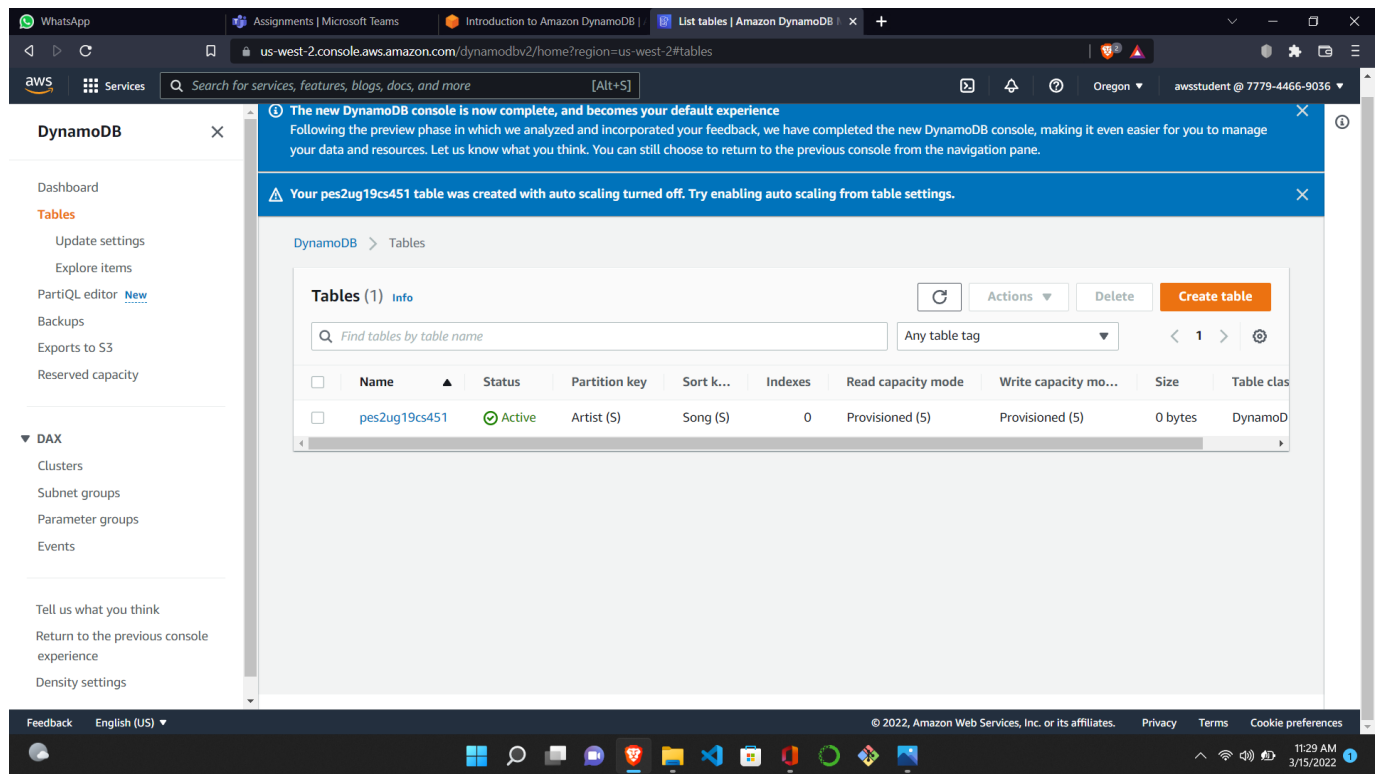
**Semester:**6  
**Section:** G

**Subject:** Cloud Computing

## Assignment 3

### Deliverables:

a. Screenshot showing successful creation of table name <your-srn>. Refer: pes1201801295\_1a.jpg

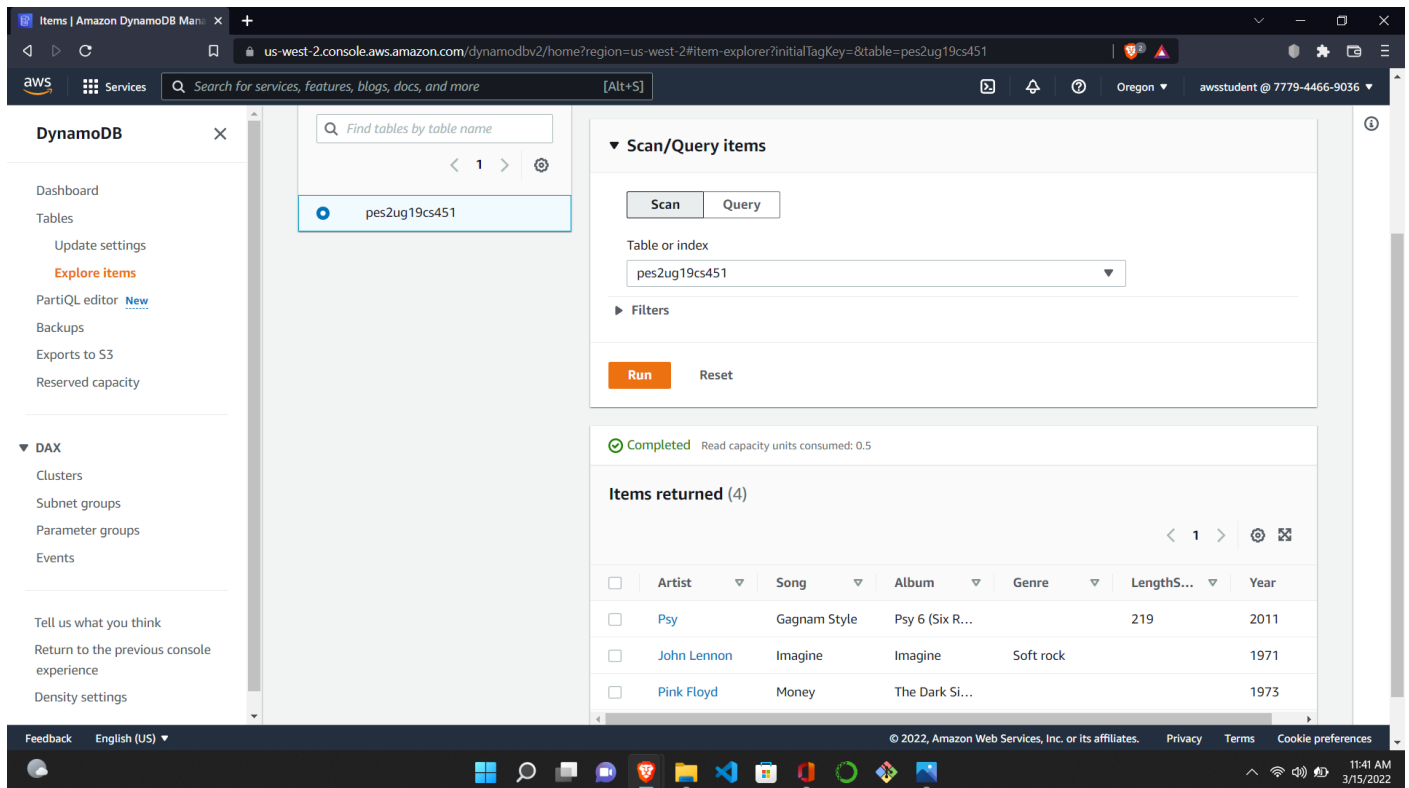


b. Screenshot the inserted items in DynamoDB. Steps to reproduce:

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.

The screenshot shows the Amazon DynamoDB console interface. On the left, the navigation pane includes sections for 'DynamoDB' (Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Reserved capacity) and 'DAX' (Clusters, Subnet groups, Parameter groups, Events). The main area is titled 'Scan/Query items' and shows a scan of table 'pes2ug19cs451'. The scan is completed, and 4 items are returned. The items are listed in a table with columns: Artist, Song, Album, Genre, Length, and Year.

Artist	Song	Album	Genre	Length	Year
Psy	Gangnam Style	Psy 6 (Six R...)		219	2012
John Lennon	Imagine	Imagine	Soft rock		1971
Pink Floyd	Money	The Dark Si...			1973

d. Screenshot showing query results. Refer pes1201801295\_4a.jpg.

The screenshot shows the AWS Management Console for Amazon DynamoDB. The main pane displays the 'Item explorer' for the table 'pes2ug19cs451'. The 'Query' tab is selected, and the 'Artist' (Partition key) is set to 'Psy'. The 'Song (Sort key)' is set to 'Gagnam Style'. The 'Run' button is highlighted. The results show 'Items returned (1)' with a table containing one row: 'Psy', 'Gagnam Style', 'Psy 6 (Six R...', and '219'. The right-hand pane contains documentation for 'Query' and 'Scan' operations. The bottom of the console shows the 'Feedback' button, 'English (US)' language setting, and copyright information for Amazon Web Services, Inc. or its affiliates. The system tray at the bottom indicates the time is 11:52 AM on 3/15/2022.

us-west-2.console.aws.amazon.com/dynamodbv2/home?region=us-west-2#item-explorer?initialTagKey=&table=pes2ug19cs451

**DynamoDB**

- Dashboard
- Tables
  - Update settings
  - Explore items
  - PartiQL editor New
  - Backups
  - Exports to S3
  - Reserved capacity
- ▼ DAX
  - Clusters
  - Subnet groups
  - Parameter groups
  - Events
- Tell us what you think
- Return to the previous console experience
- Density settings

**Item explorer**

Item explorer allows you to query and scan for items in the console. You can perform query and scan operations on a base table or its secondary indexes.

**Query**

The query operation finds items based on primary key values. You must provide a value for the partition key attribute. Optionally, you can provide a value for the sort key attribute if your table uses a composite primary key.

**Scan**

The scan operation reads every item in a table or secondary index.

**Autopreview**

When you enable this feature, DynamoDB scans your table automatically and retrieves the first page of items when you choose a table.

Table or index: pes2ug19cs451

Artist (Partition key): Psy

Song (Sort key): Equal to, Gagnam Style, Sort descending

Filters

Run Reset

Completed Read capacity units consumed: 0.5

Items returned (1)

	Artist	Song	Album	LengthS...
	Psy	Gagnam Style	Psy 6 (Six R...	219

© 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

11:52 AM 3/15/2022

e. Screenshot showing scan results. Refer pes1201801295\_4b.jpg

The screenshot displays the Amazon DynamoDB console interface. The left sidebar shows navigation options like Dashboard, Tables, and DAX. The main area shows the 'Items' view for the table 'pes2ug19cs451'. A filter is applied: 'Year' is 'Number' and 'Equal to' '1971'. The 'Run' button has been clicked, and the scan is completed. The results show one item returned: John Lennon, Imagine, 1971.

Scan Query

Table or index  
pes2ug19cs451

Filters

Attribute name	Type	Condition	Value	
Year	Number	Equal to	1971	Remove

Add filter

Run Reset

Completed Read capacity units consumed: 0.5

Items returned (1)

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