

EXPERIMENT-4

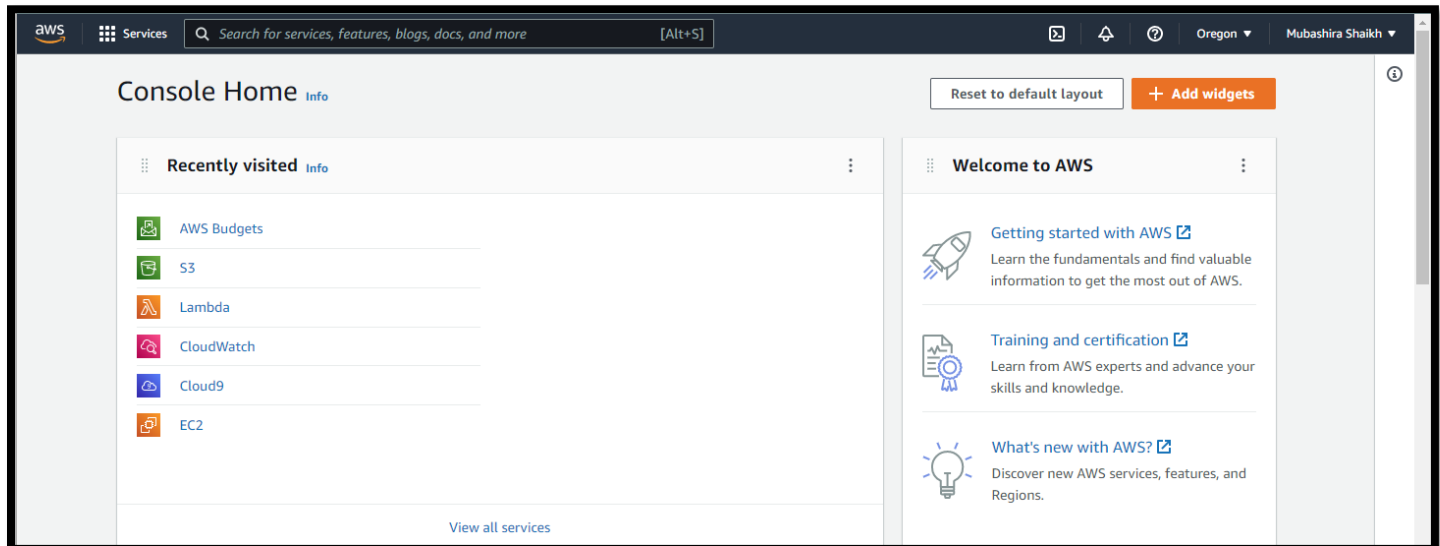
NAME: SHAIKH MUBASHIRA TUFEL AHMED
ROLL NO: 612055 **COURSE:** ADVANCE DEVOPS(ITL504)
BRANCH: T.E. INFORMATION TECHNOLOGY (SEM 5)

1. What is NO SQL, key value Databases?

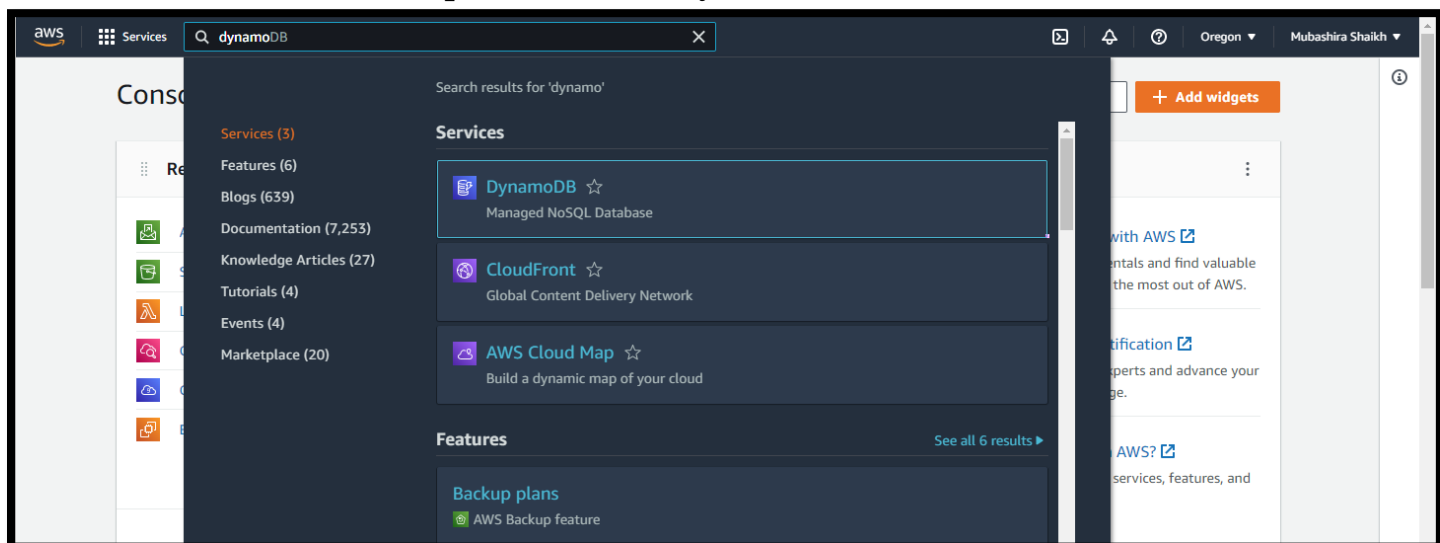
➔ All those databases which are modeled in means other than the tabular relations used in relational databases are known as NO SQL databases. NoSQL key-value databases are the least complicated types of NoSQL databases. They store data as a key or attribute name with its value. Each data item has a pointer and a unique key. The key-value pairs are in the form of rows of associative arrays.

2. Create a Table in DynamoDB , Add items to the table (minimum 10 items) , Query the table .

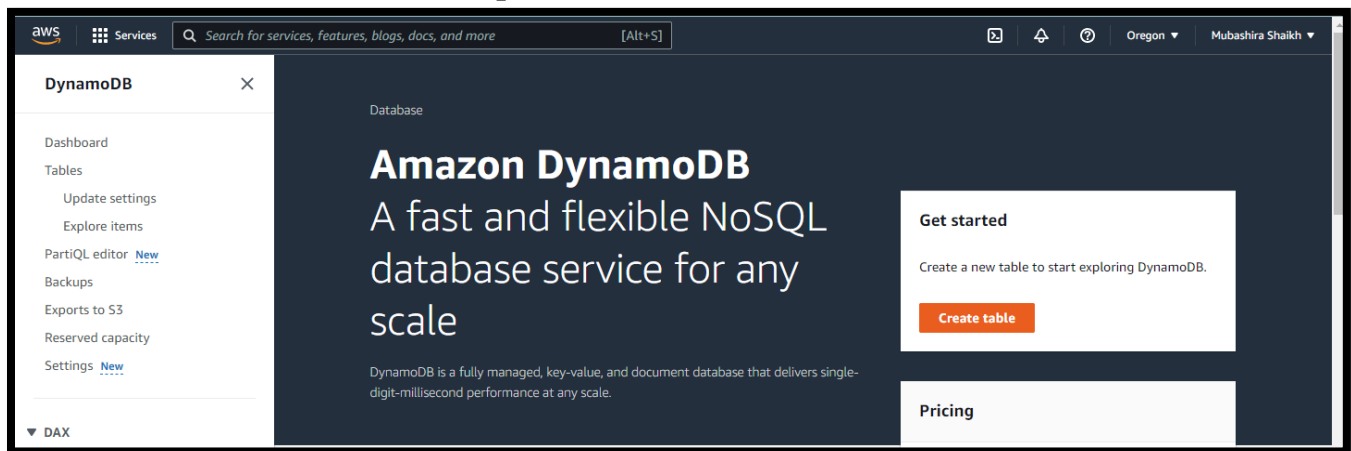
Step 1: AWS Management Console Dashboard.



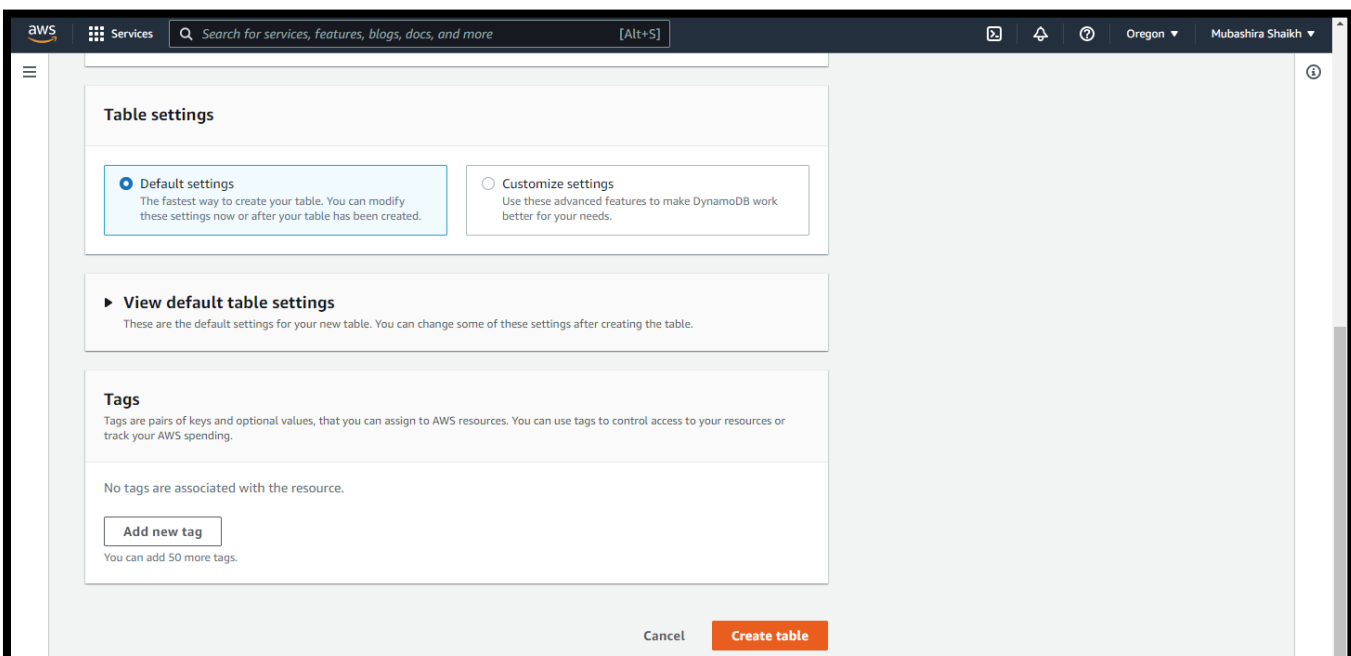
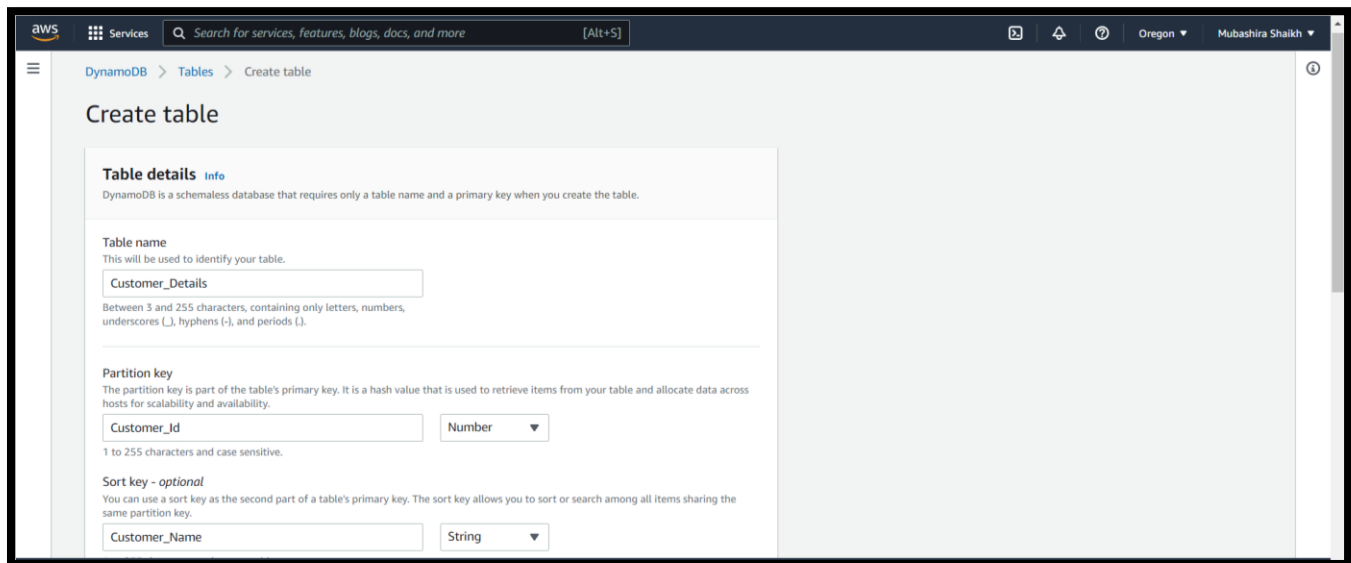
Step 2: Search for DynamoDB and select it.



Step 3: Click on 'Create Table'.



Step 4: Name your table→set 'Partition key' & 'Sort key'→select Default setting→Click on Create Table.



Step 5: Table Created Successfully! From here select the blue link

The screenshot shows the AWS Management Console with a green notification banner at the top stating "The Customer_Details table was created successfully." The left sidebar shows the "DynamoDB" service selected. The main content area displays the "Tables (1)" list. The table "Customer_Details" is listed with a status of "Active". The "Actions" menu is open, and the "Create table" button is highlighted.

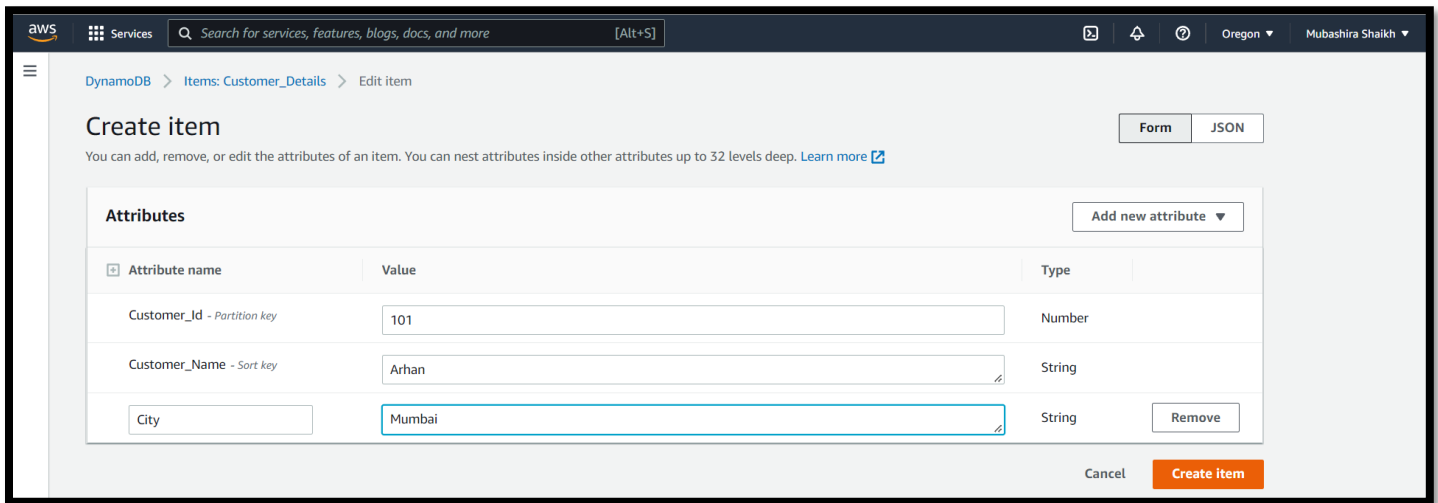
Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode
Customer_Details	Active	Customer_Id (S)	Customer_name (S)	0	Provisioned with auto scaling (5)	Provisioned

Step 6: Click on "Explore table item" → "Create item"

The screenshot shows the AWS Management Console with the "Customer_Details" table selected. The "Explore table items" button is highlighted in the top right corner. The left sidebar shows the "DynamoDB" service selected. The main content area displays the "Customer_Details" table details, including the partition key "Customer_Id (String)" and the sort key "Customer_name (String)".

The screenshot shows the AWS Management Console with the "Customer_Details" table selected. The "Create item" button is highlighted in the bottom right corner. The left sidebar shows the "DynamoDB" service selected. The main content area displays the "Customer_Details" table details, including the partition key "Customer_Id (String)" and the sort key "Customer_name (String)".

Step 7: Add new attributes if required → Click on “Create item”



Create item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

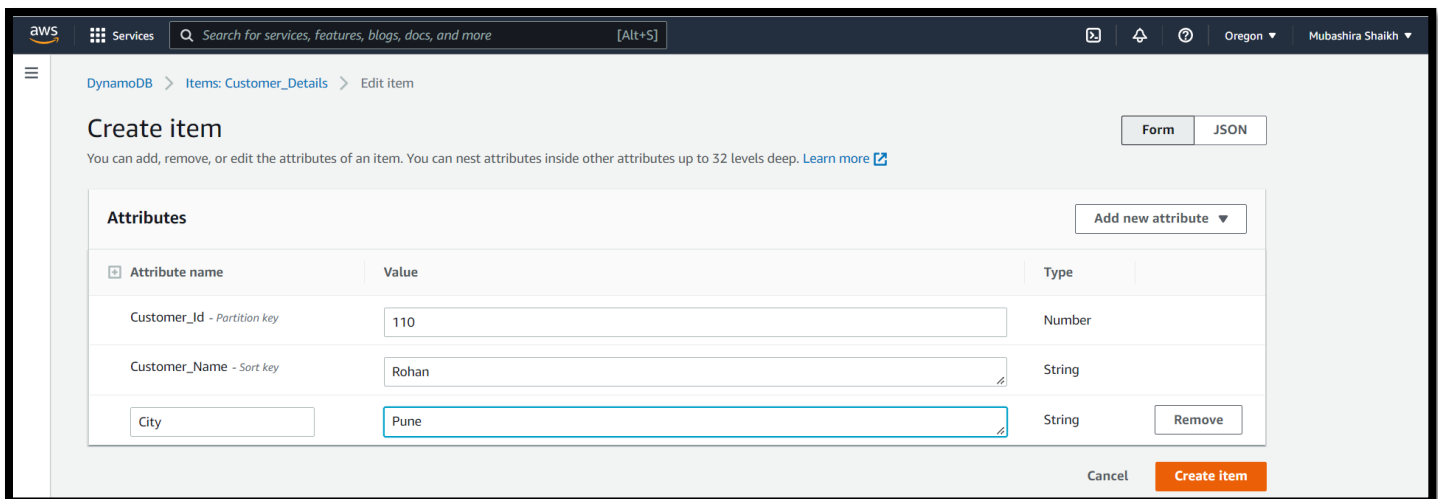
Attributes

Attribute name	Value	Type
Customer_Id - Partition key	101	Number
Customer_Name - Sort key	Arhan	String
City	Mumbai	String

[Add new attribute](#)

[Cancel](#) [Create item](#)

→ After entering each item select the “Create item” button and repeat the process until you are finished.



Create item

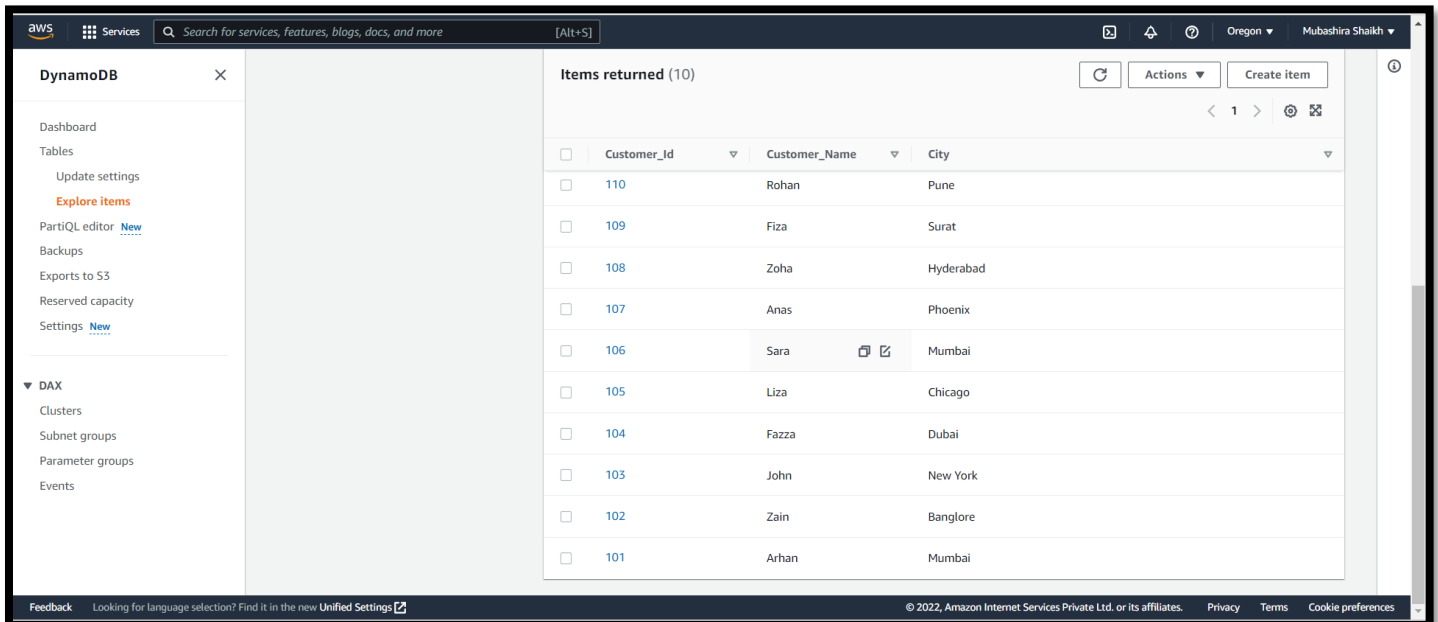
You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Attributes

Attribute name	Value	Type
Customer_Id - Partition key	110	Number
Customer_Name - Sort key	Rohan	String
City	Pune	String

[Add new attribute](#)

[Cancel](#) [Create item](#)



DynamoDB

Dashboard
Tables
Update settings
[Explore items](#)
 PartiQL editor [New](#)
Backups
Exports to S3
Reserved capacity
Settings [New](#)

Items returned (10)

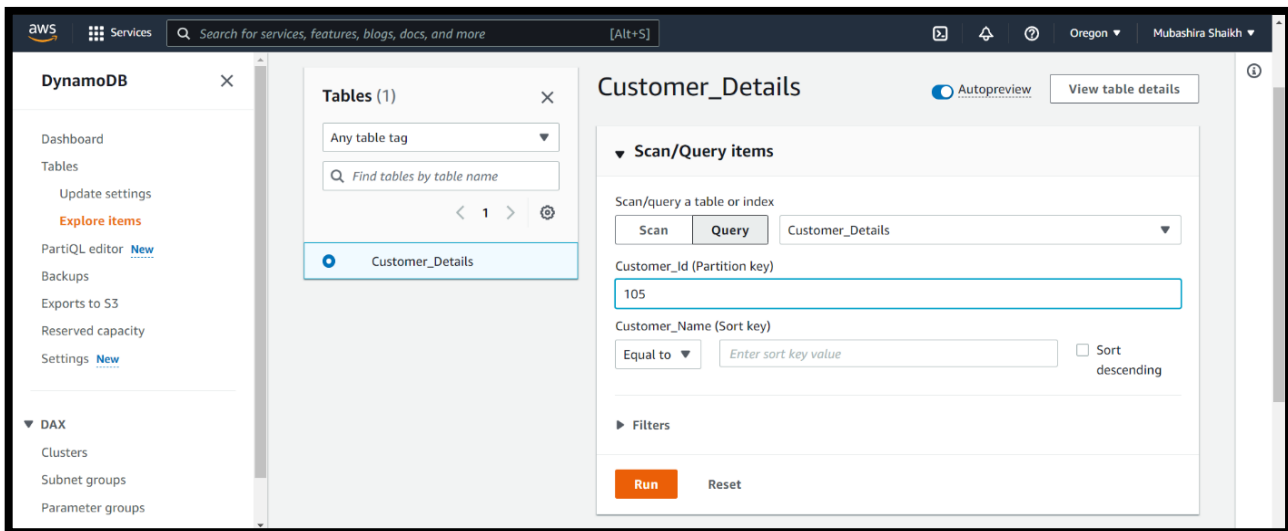
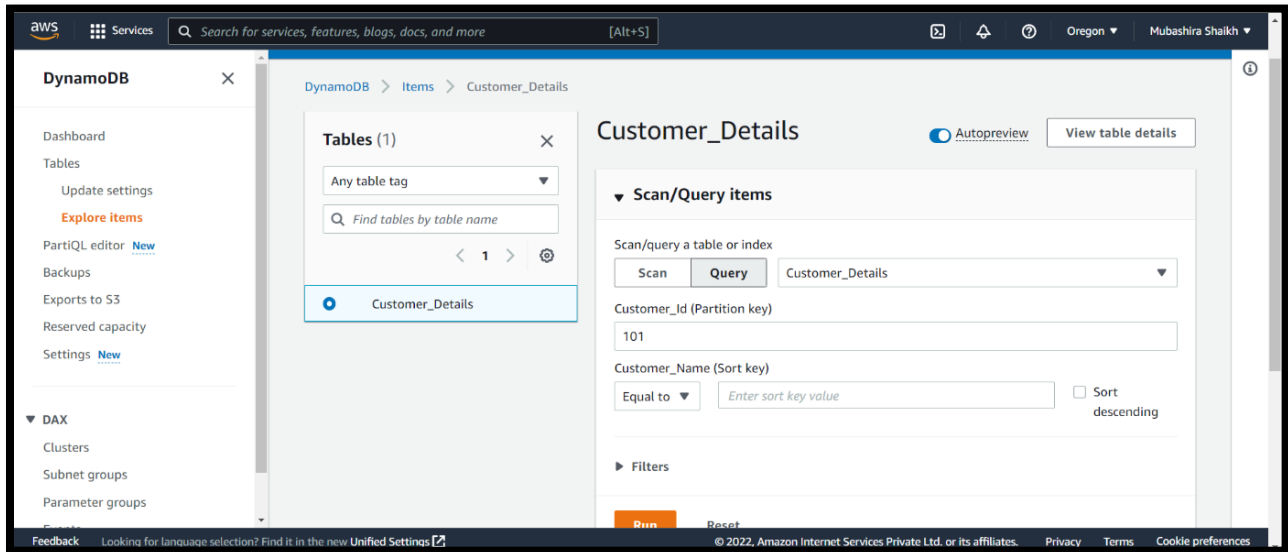
Customer_Id	Customer_Name	City
110	Rohan	Pune
109	Fiza	Surat
108	Zoha	Hyderabad
107	Anas	Phoenix
106	Sara	Mumbai
105	Liza	Chicago
104	Fazza	Dubai
103	John	New York
102	Zain	Banglore
101	Arhan	Mumbai

[Feedback](#) [Looking for language selection? Find it in the new Unified Settings](#)

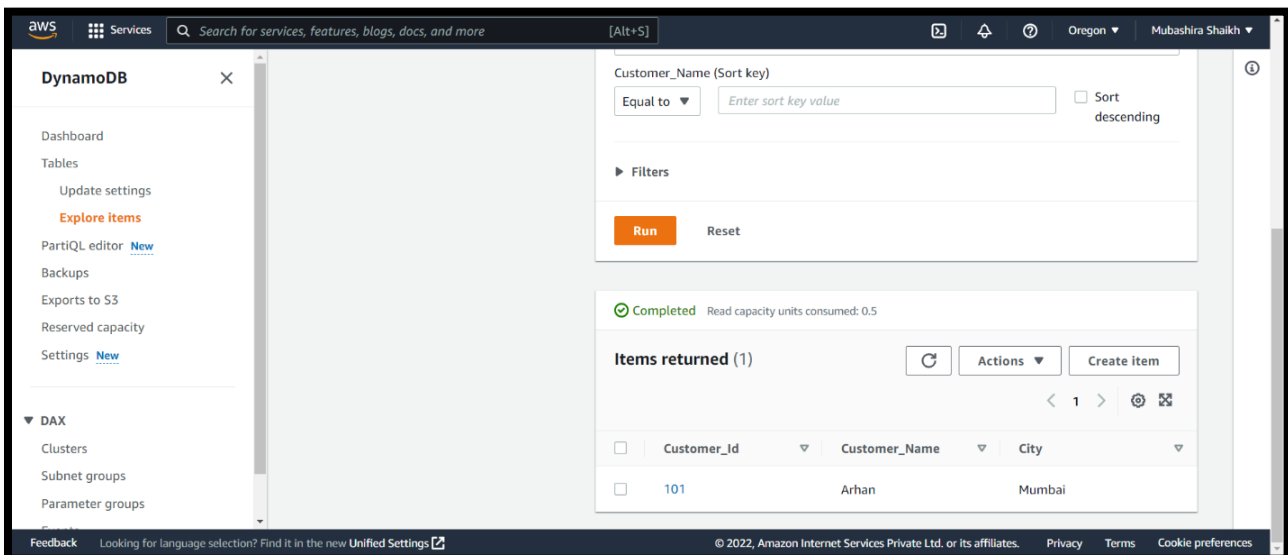
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Step 8: Run query for needed items using partition key

A)



B)



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DynamoDB

- Dashboard
- Tables
 - Update settings
 - Explore items
 - PartiQL editor [New](#)
 - Backups
 - Exports to S3
 - Reserved capacity
 - Settings [New](#)
- DAX
 - Clusters
 - Subnet groups
 - Parameter groups

Customer_Name (Sort key)
Equal to ☐ Sort descending

Filters

Run Reset

Completed Read capacity units consumed: 0.5

Items returned (1) [Refresh](#) [Actions](#) [Create item](#)

< 1 > [Settings](#) [Expand](#)

<input type="checkbox"/>	Customer_Id	Customer_Name	City
<input type="checkbox"/>	105	Liza	Chicago

C)

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DynamoDB

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- DAX
 - Clusters

Any table tag

< 1 > [Settings](#)

[Customer_Details](#)

Scan/Query items

Scan/query a table or index

Scan Query

Customer_Id (Partition key)

Customer_Name (Sort key)
Equal to ☐ Sort descending

Filters

Run Reset

Completed Read capacity units consumed: 0.5

Items returned (1) [Refresh](#) [Actions](#) [Create item](#)

< 1 > [Settings](#) [Expand](#)

<input type="checkbox"/>	Customer_Id	Customer_Name	City
<input type="checkbox"/>	110	Rohan	Pune

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DynamoDB

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< 1 > [Settings](#) [Expand](#)

<input type="checkbox"/>	Customer_Id	Customer_Name	City
<input type="checkbox"/>	110	Rohan	Pune

Step 9: Finally, Select the table and click on “Delete”.

