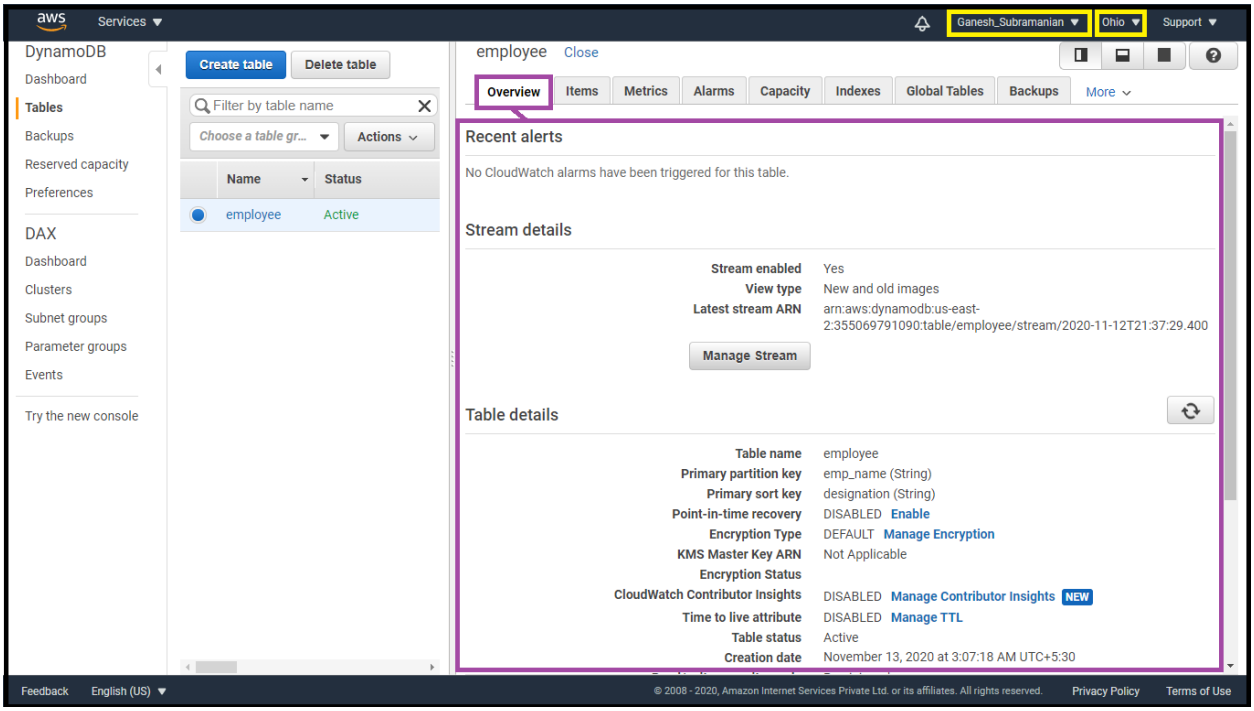
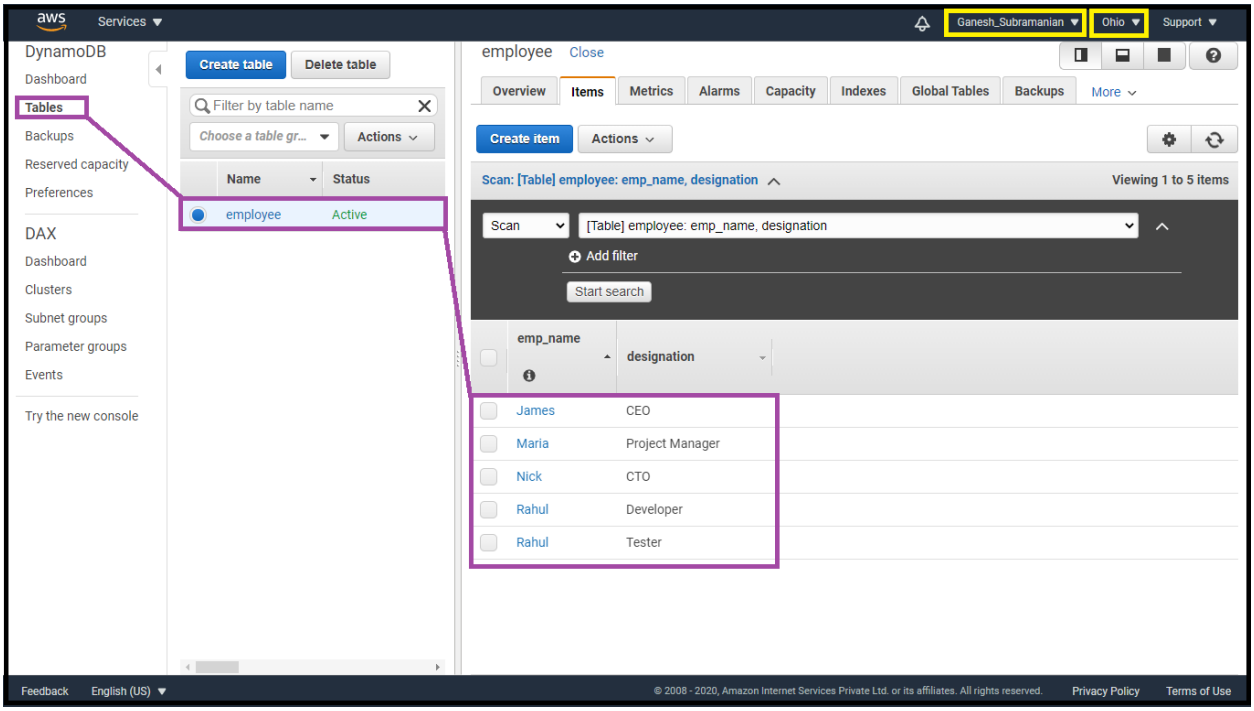
Question 1:

Task 1: Create a dynamo DB table with minimum two disaster recovery zones and verify
replication.

Screenshot 1: Disaster recovery regions with the table



⇨ Disaster Recovery Regions Created with Table Details: - "**employee**" table created in **Ohio** Region (Home) with three disaster recovery regions i.e. **Sydney** and **Singapore**



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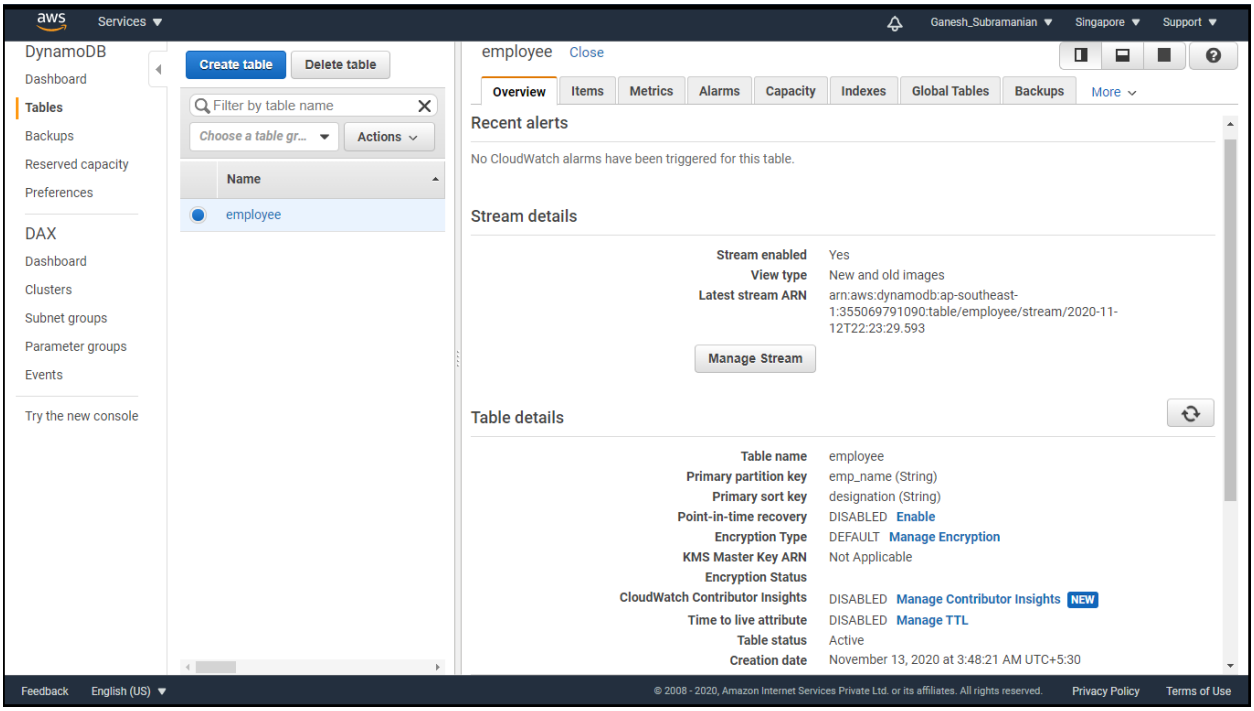

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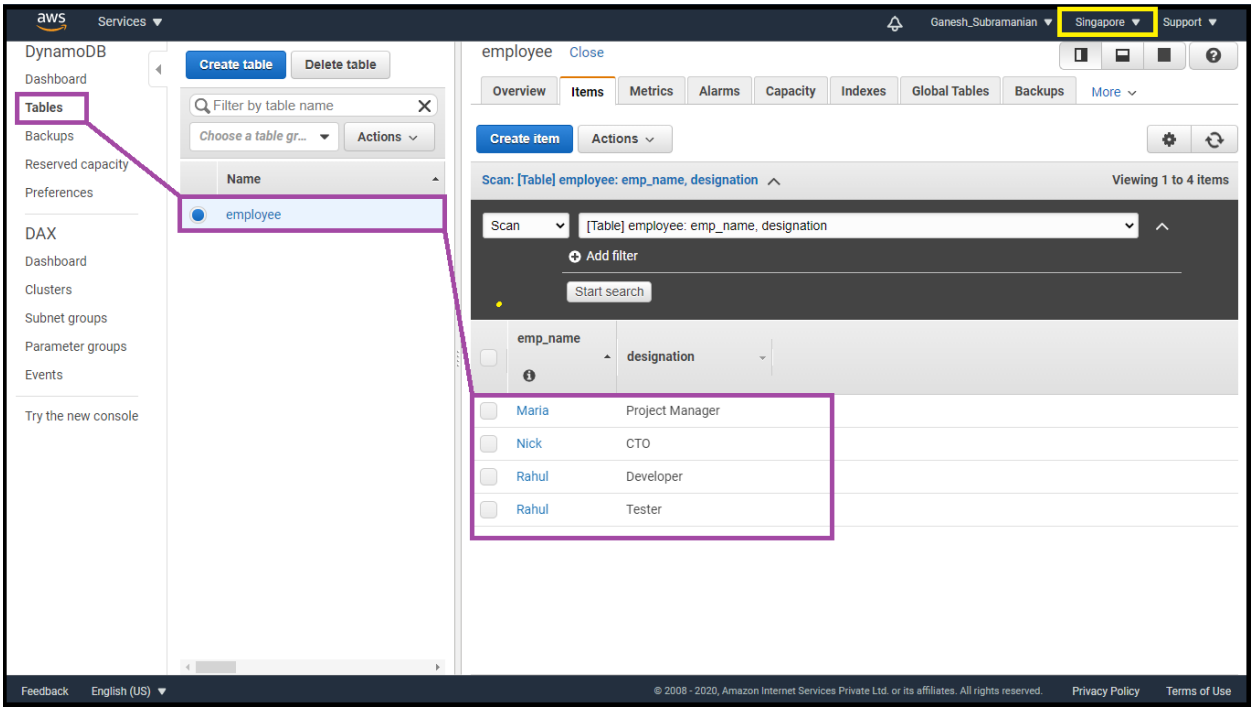

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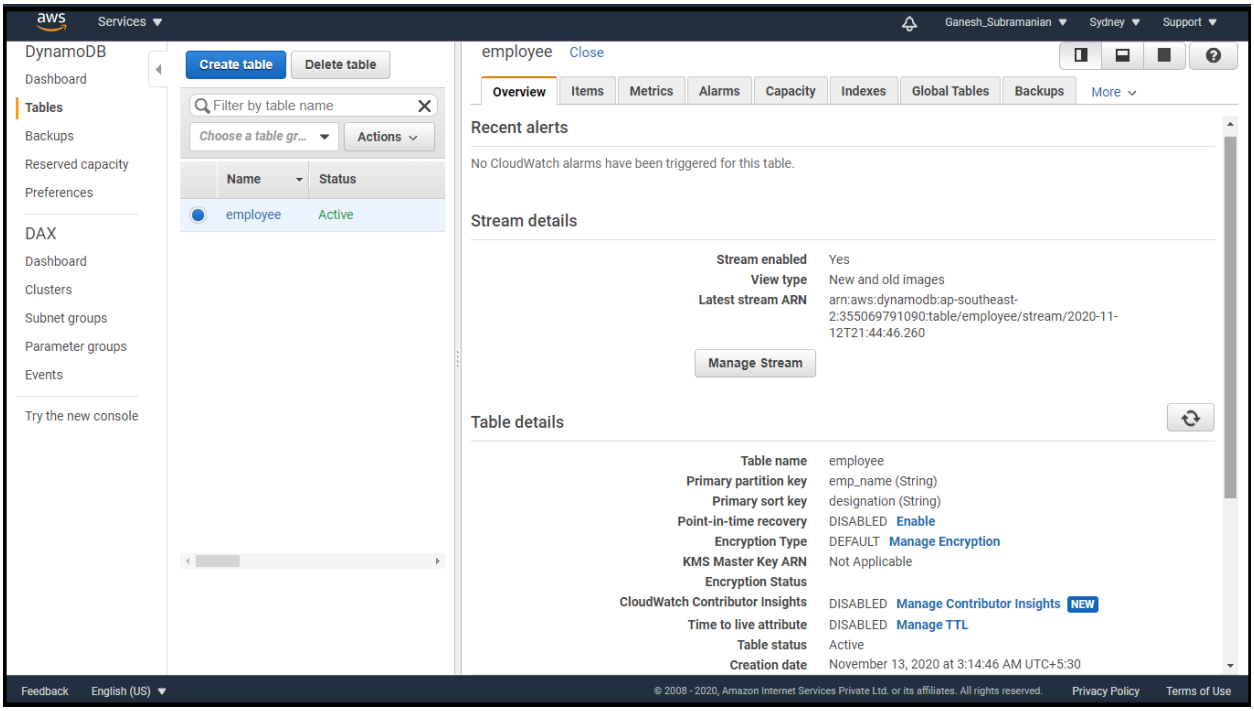

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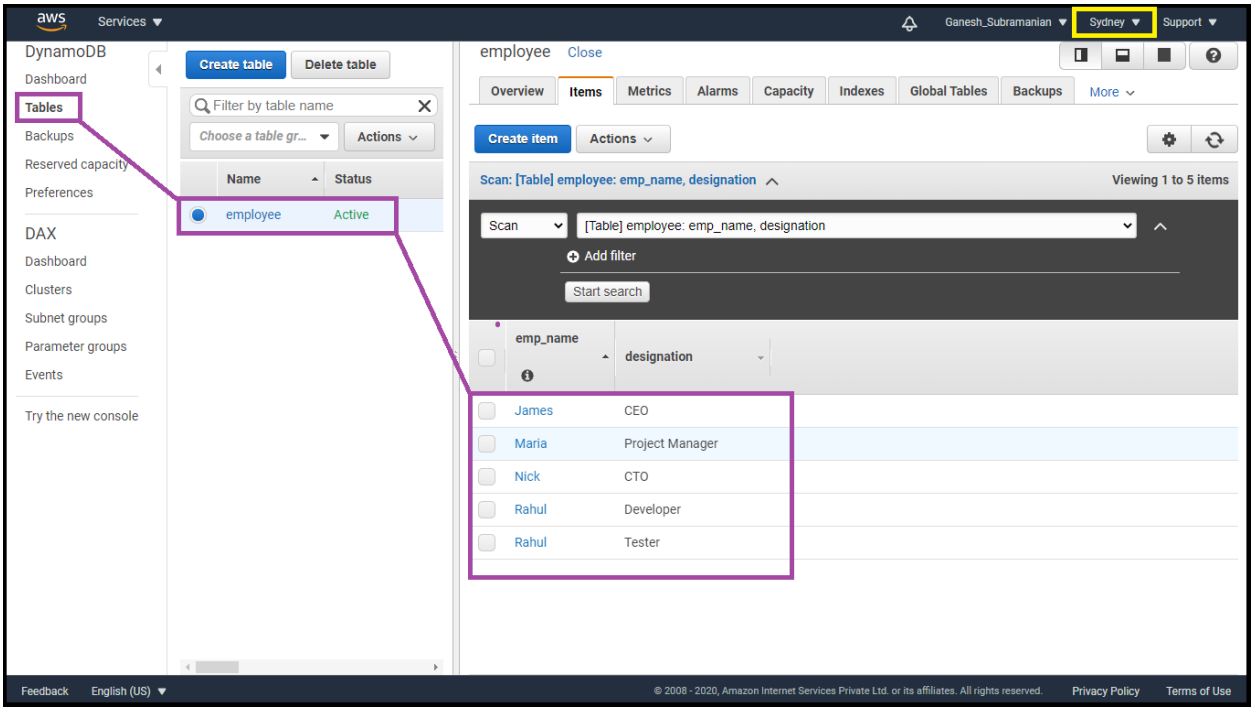
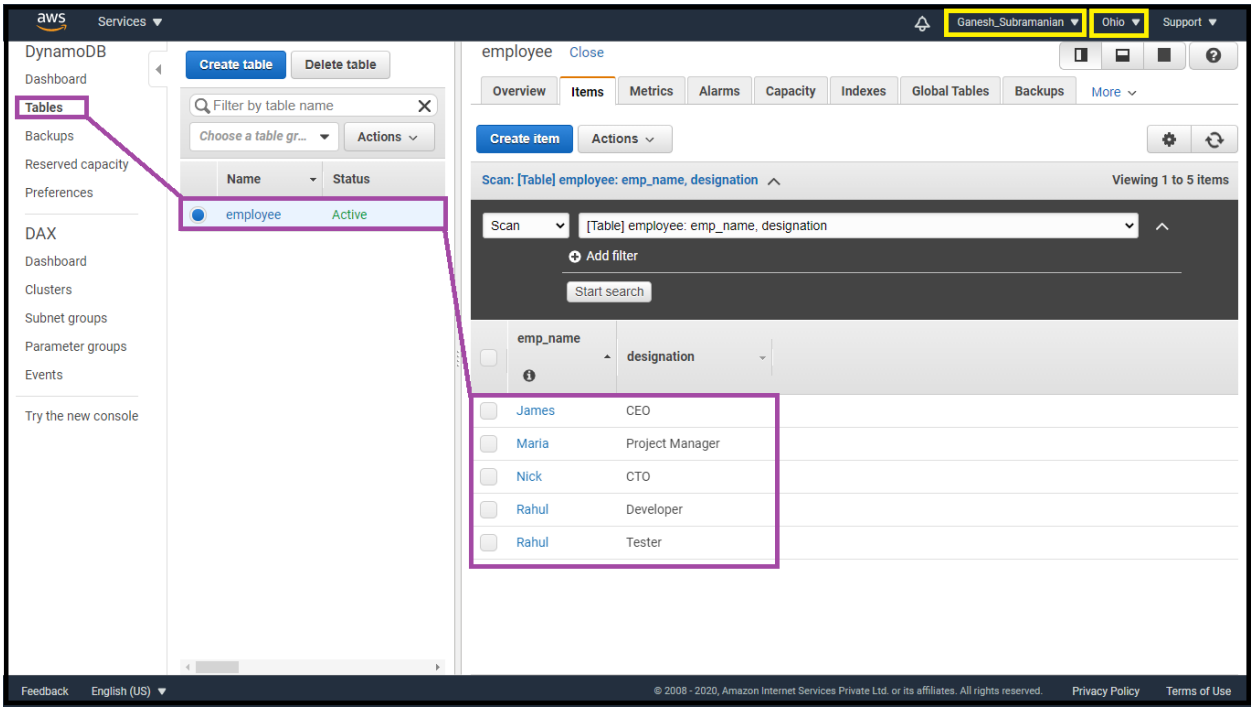
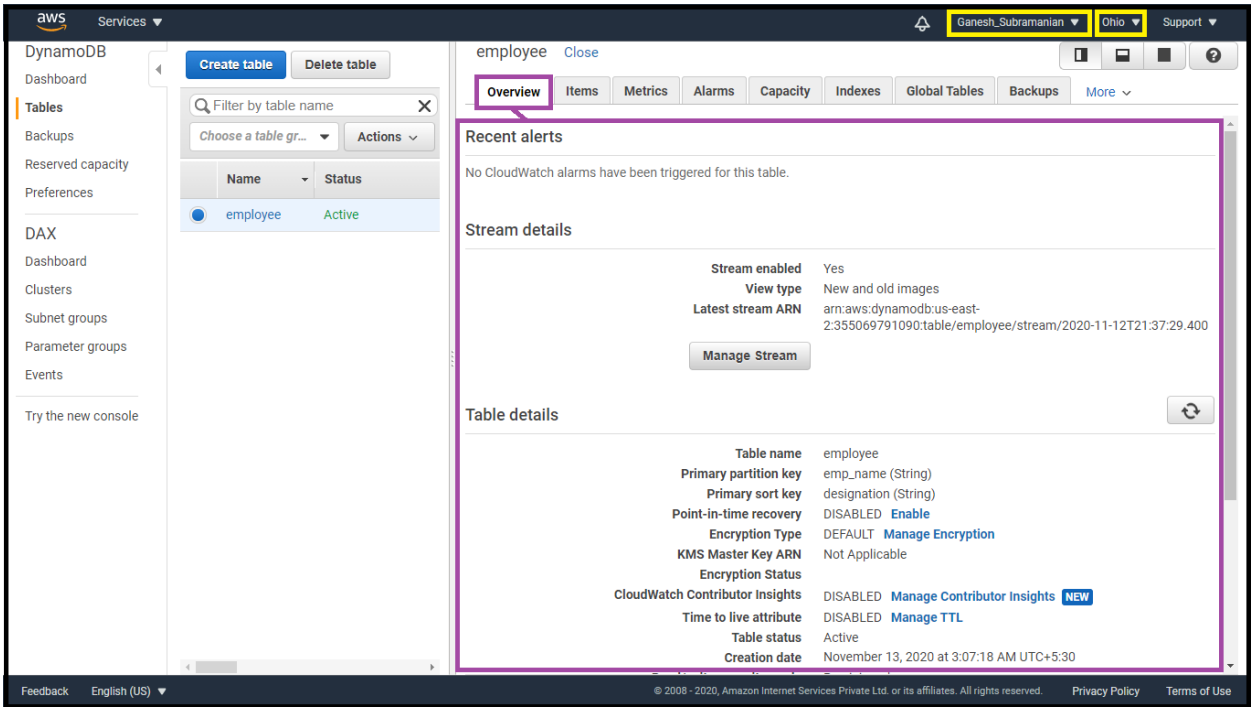


⇨ Disaster Recovery Regions Created with Table Details: - "**employee**" table created in **Ohio** Region (Home) with three disaster recovery regions i.e. **Sydney** and **Singapore**

Screenshot 2: Home region with all items displayed

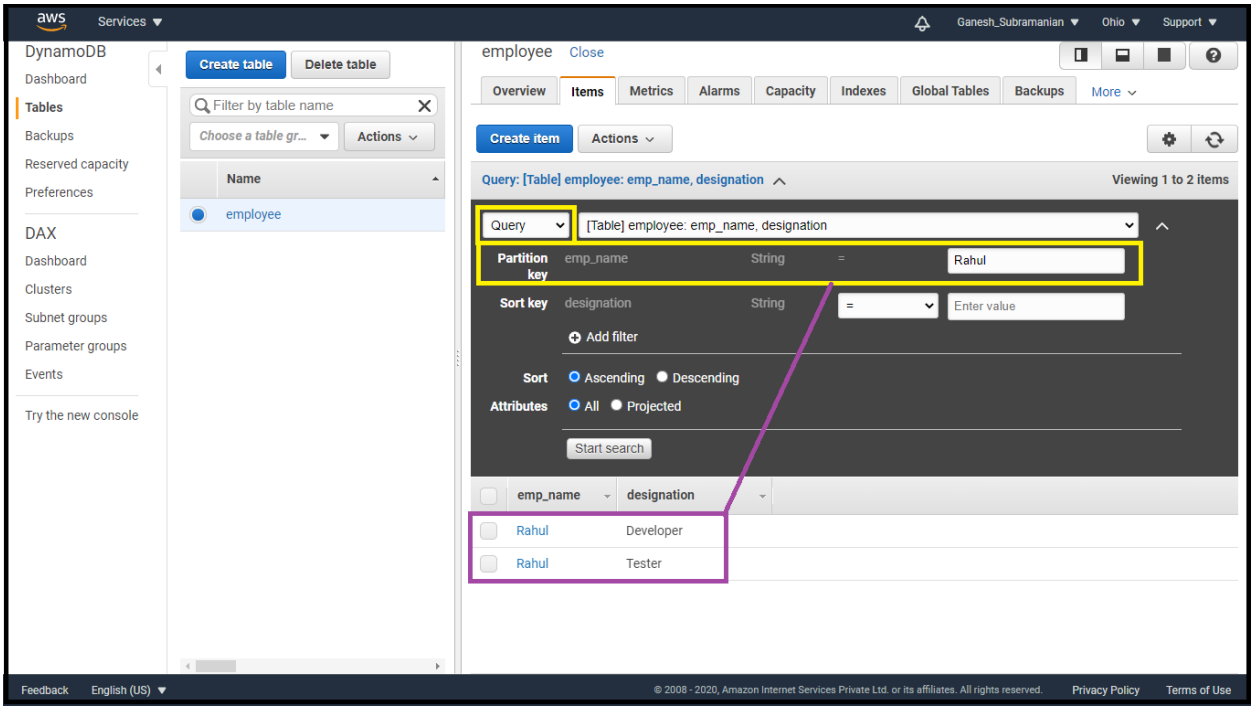


⇨ Home region with all items displayed: - Home Region **Ohio**, "**employee**" table created and all details displayed

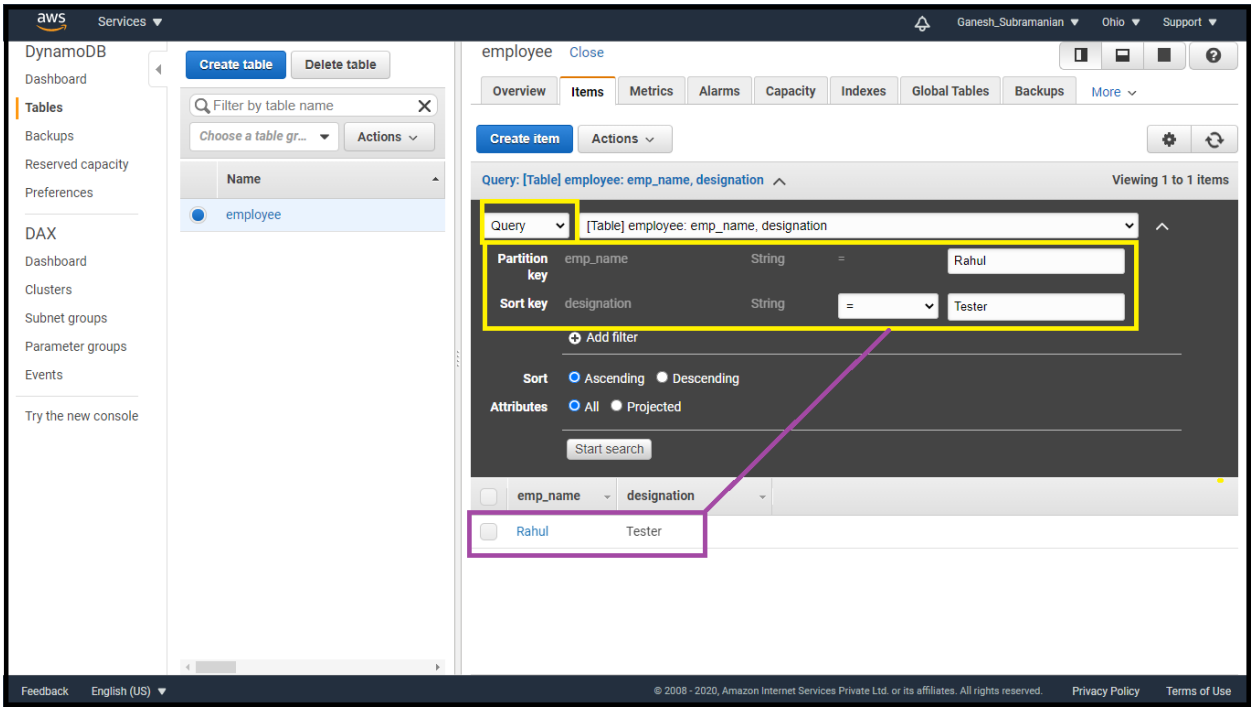


⇨ Home region with all items displayed: - Home Region **Ohio** and all required Overview details displayed

Screenshot 3: Use query to fetch few items

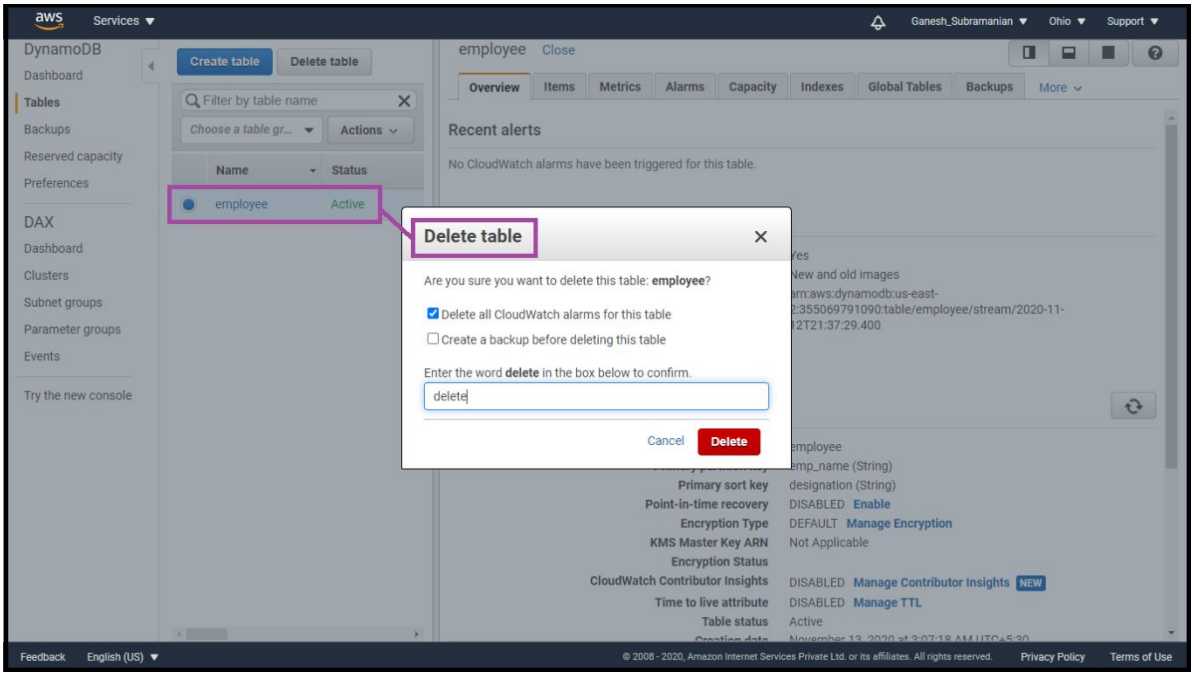


⇨ Query to fetch items: - where Data is fetched based on **Partition key** only. i.e. "**emp_name** = **Rahul**" and it fetches only Two data based on the available details in the DB

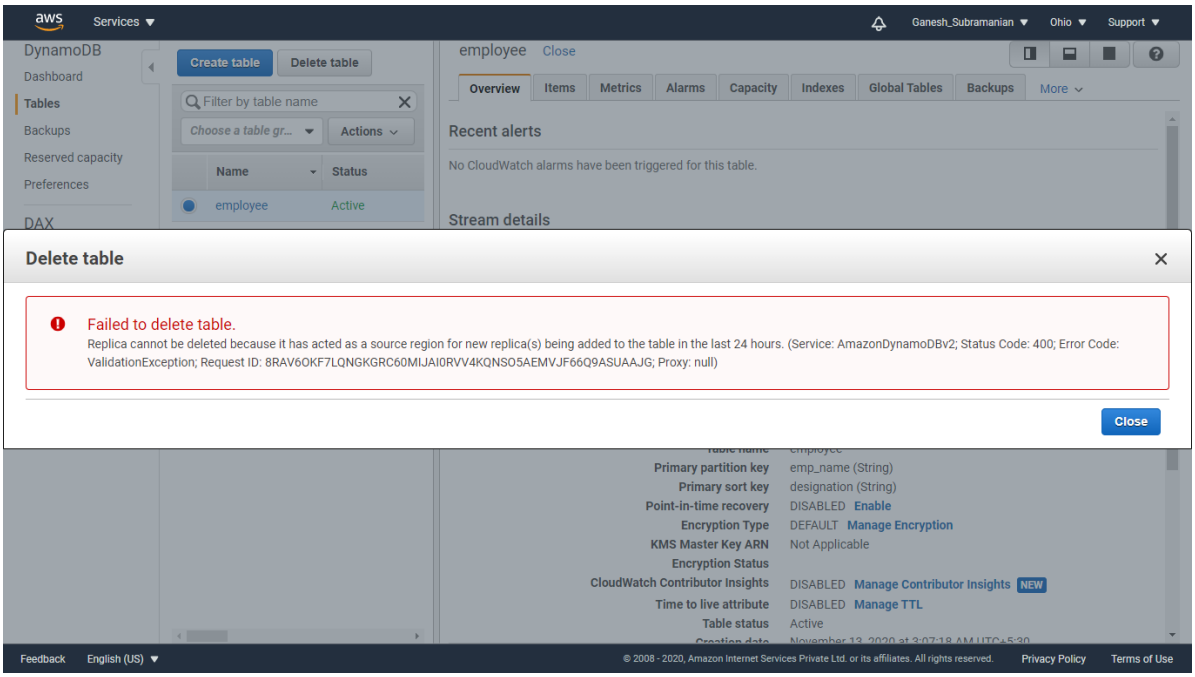


⇨ Query to fetch items: - where Data is fetched based on **Partition key** and Sort key i.e. "**emp_name** = **Rahul**" and "**designation = Tester** "and it fetches only One data based on the available details in the DB

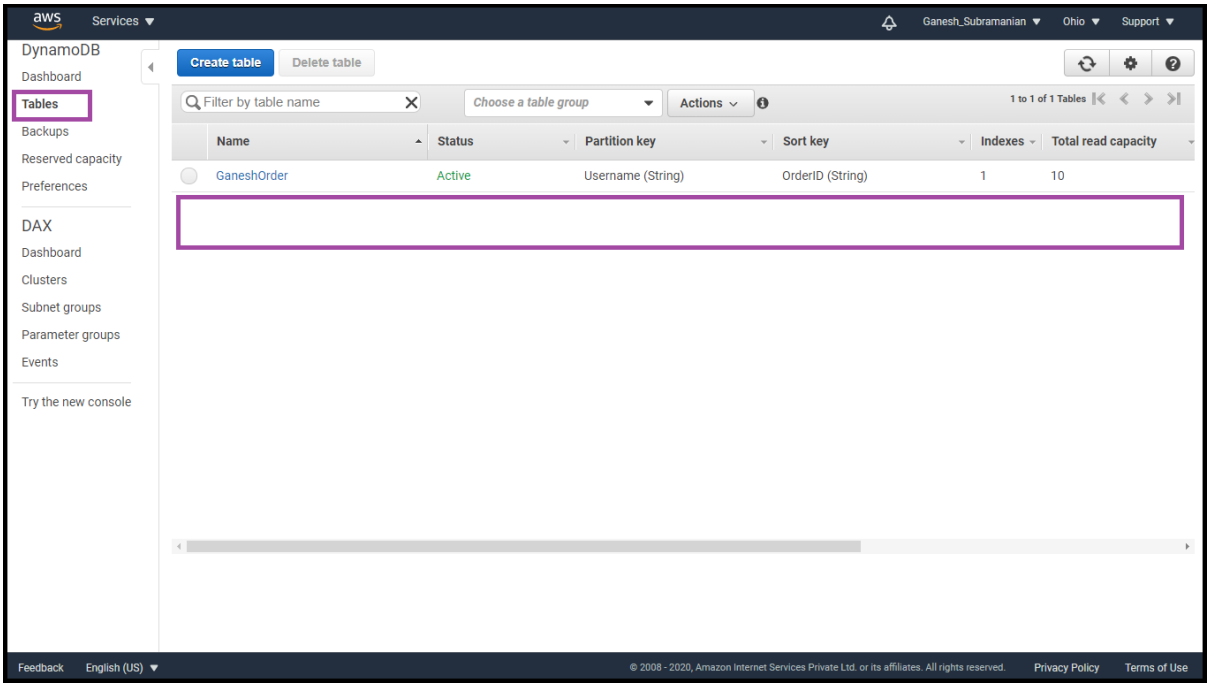
Screenshot 4: deletion and verification



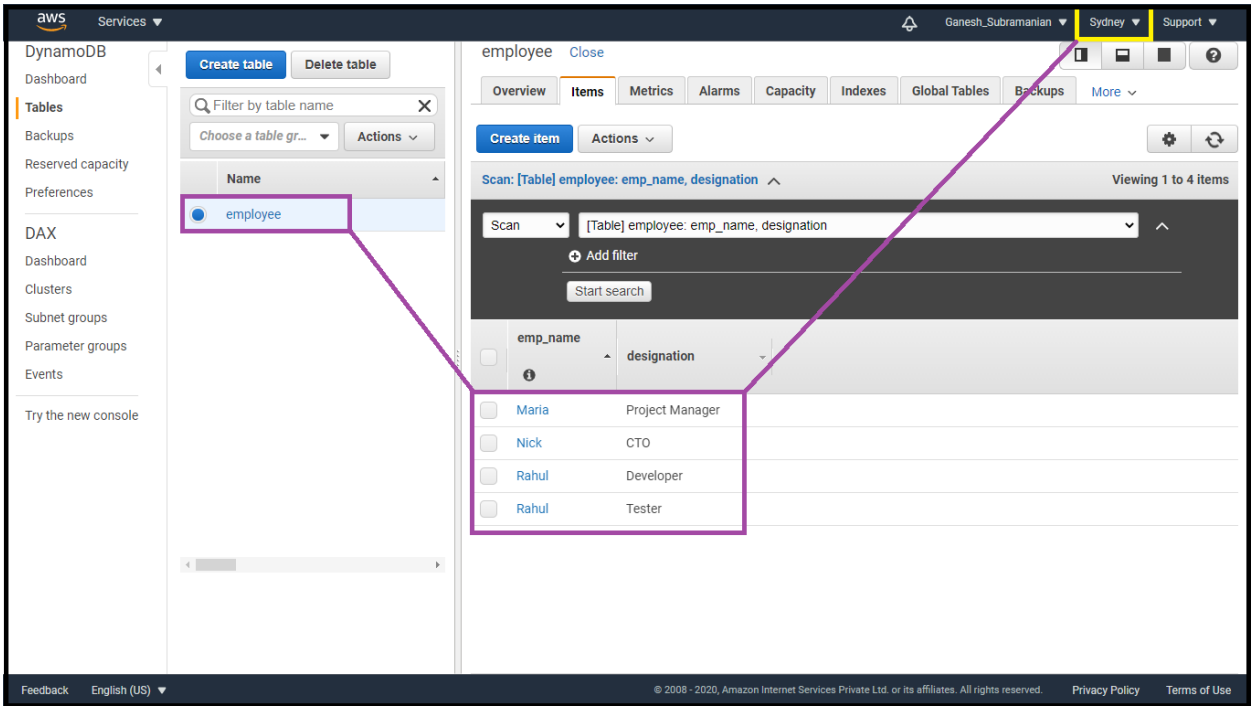
⇨ Deletion of DB: - DB is Deleted from the **Ohio (Home) Region**



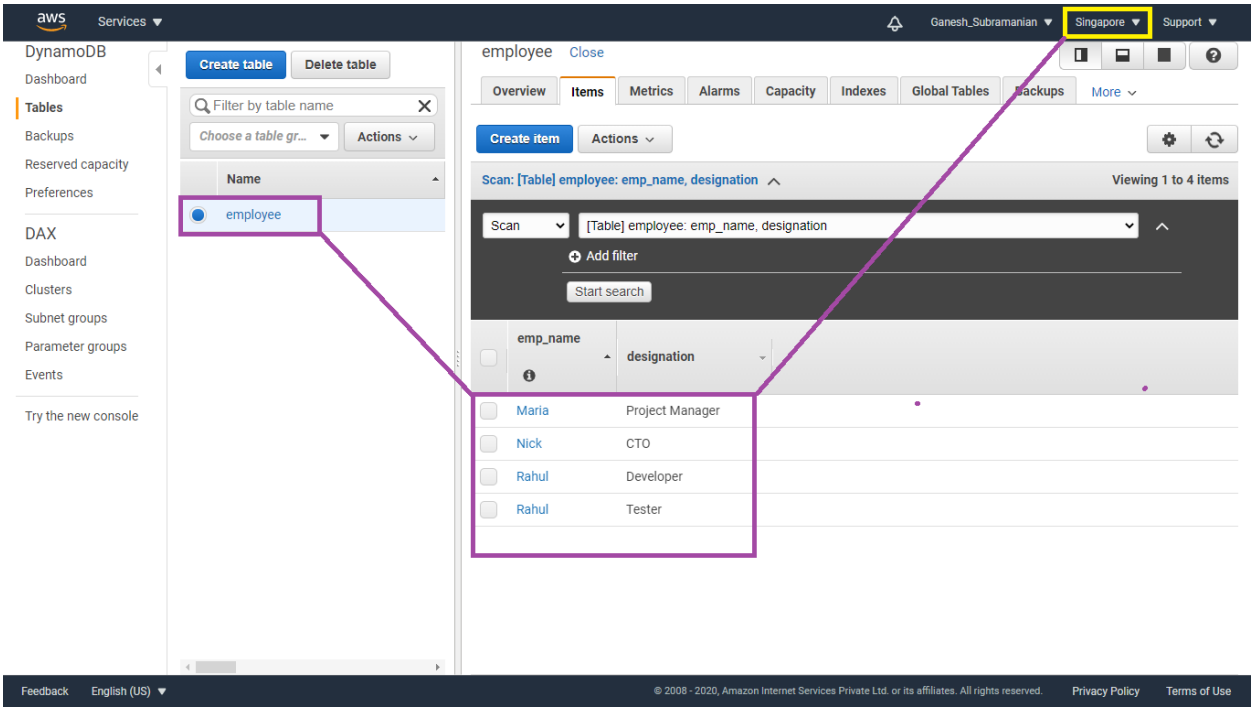
⇨ Deletion of DB: - A Warning Message is being displayed one trying to delete the DB from the **Ohio (Home) Region** due to less than 24 hours.



⇨ Successful Deletion of DB after 24 hours: - The Employee Table is completely deleted and is not available in the Ohio Region.



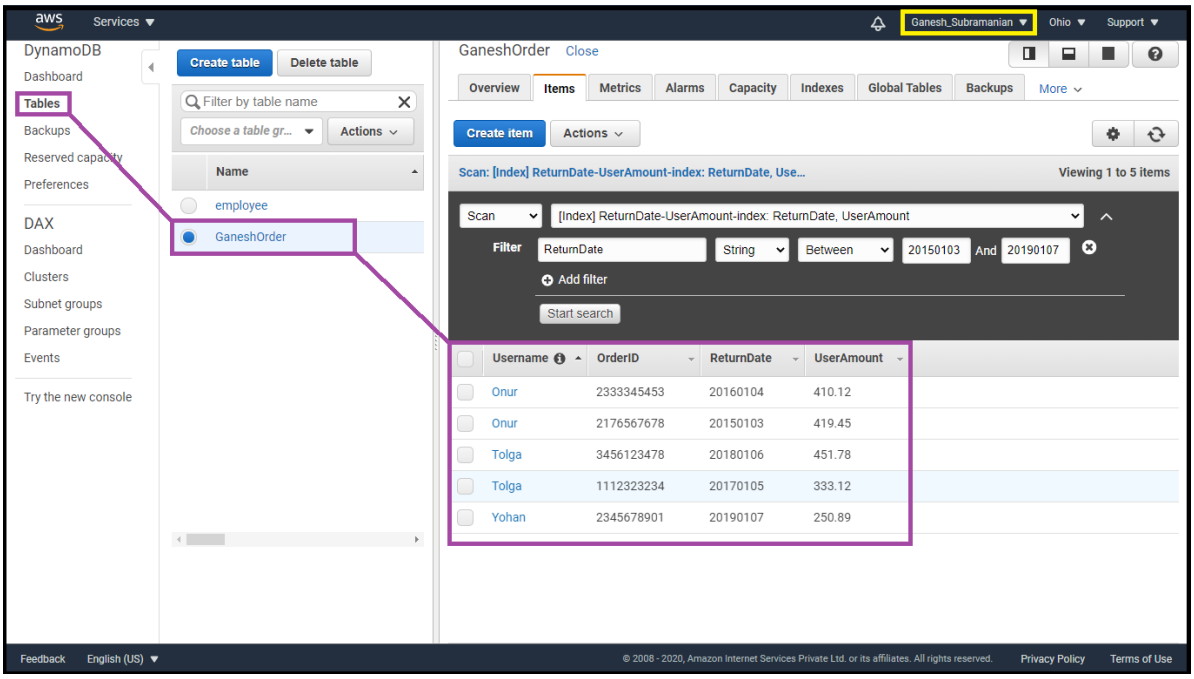
⇨ Deletion of Details: - DB is Still intact in **Sydney** region



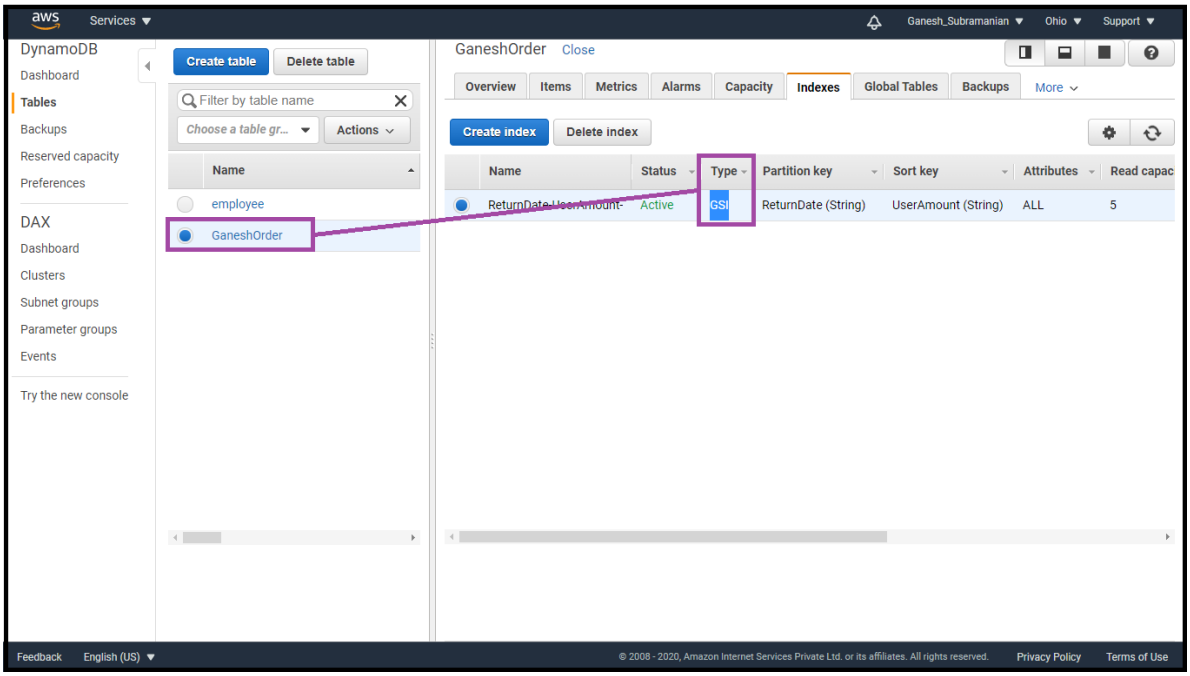
⇨ Deletion of Details: - DB is Still intact in **Singapore** region

Task 2: Creating a dynamo DB table with global secondary indexes and fetching data using global secondary indexes.

Screenshot 1: Table with its items displayed

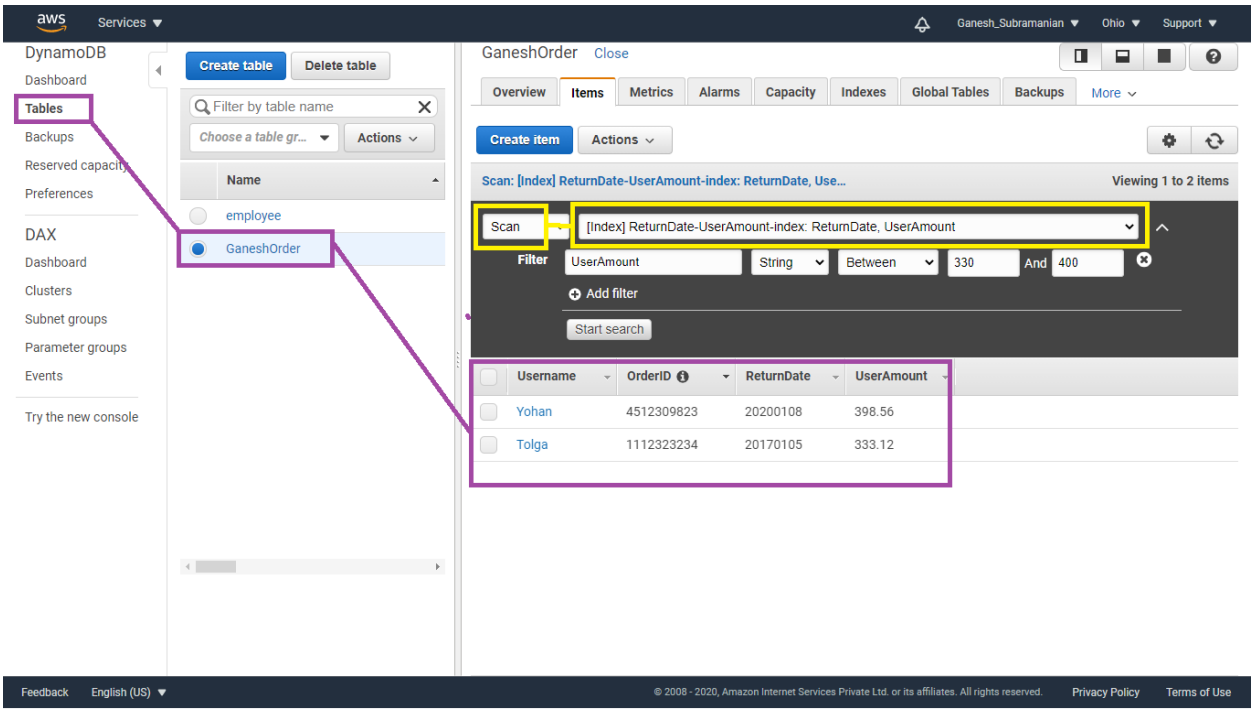


Screenshot 2: creating global secondary index



⇨ **Creation of Global Secondary Index**: - The highlighted section shows the successful creation of GSI

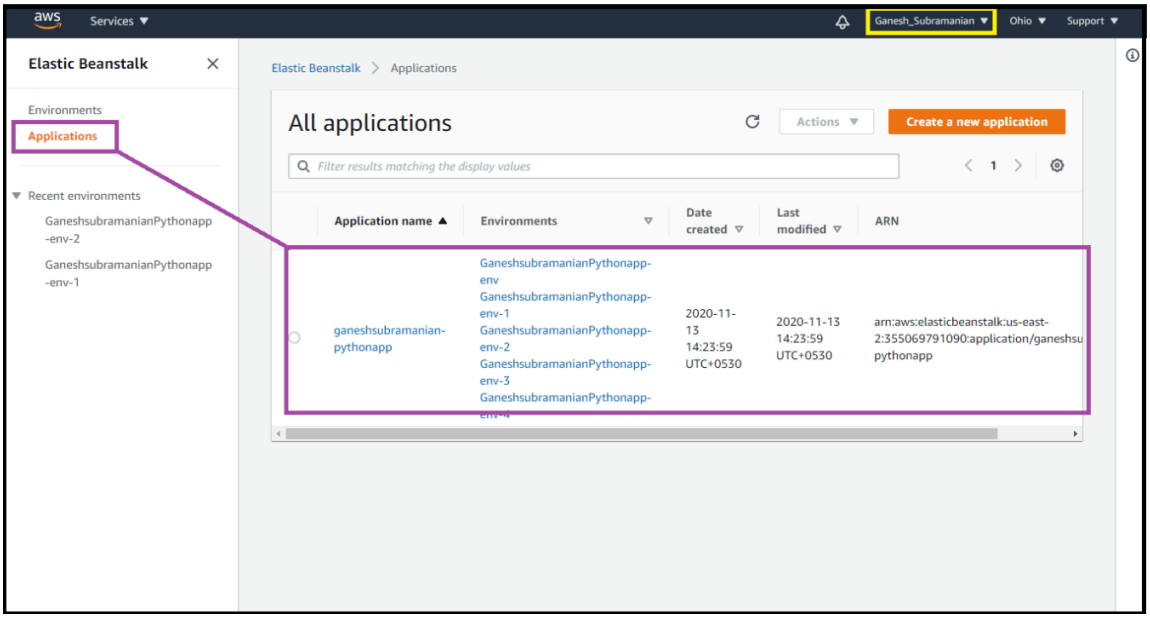
Screenshot 3: Scan with Global Secondary Index



⇨ **Scan with Global Secondary Index**: - The highlighted section shows the successful scanned details display on performing the Scan of **GSI** feature filter creation of GSI i.e. where UserAmount is between 330/- to 400/- which eventually displayed on two rows of data.

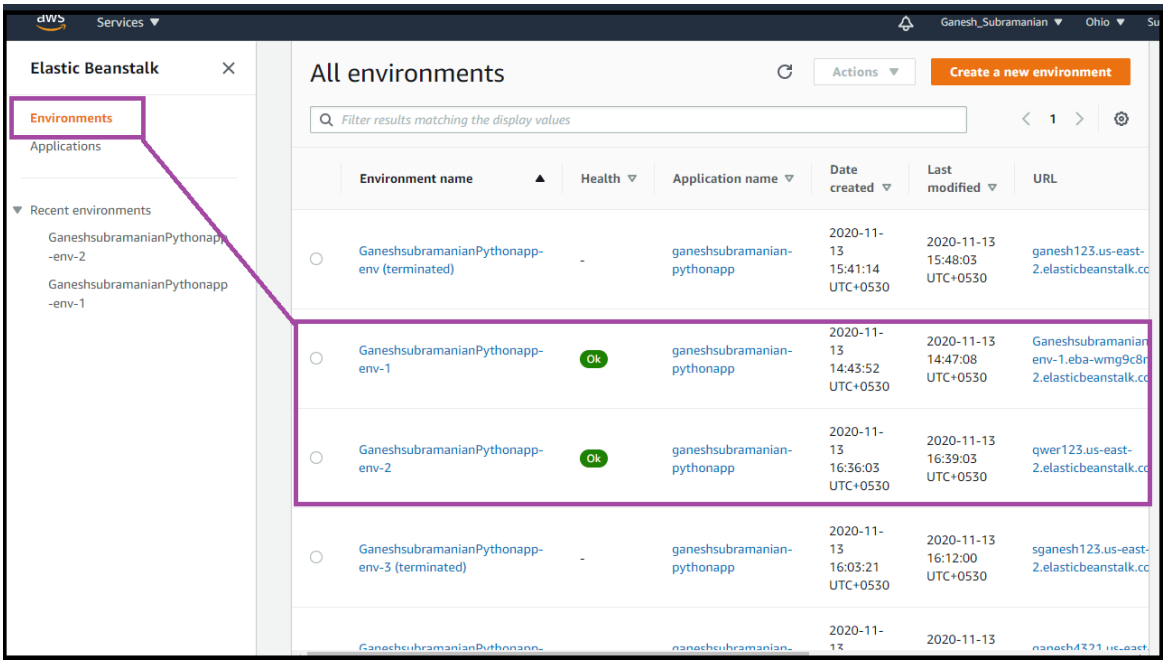
Task 3: Deploying a python application in elastic beanstalk

Screenshot 1: Application page

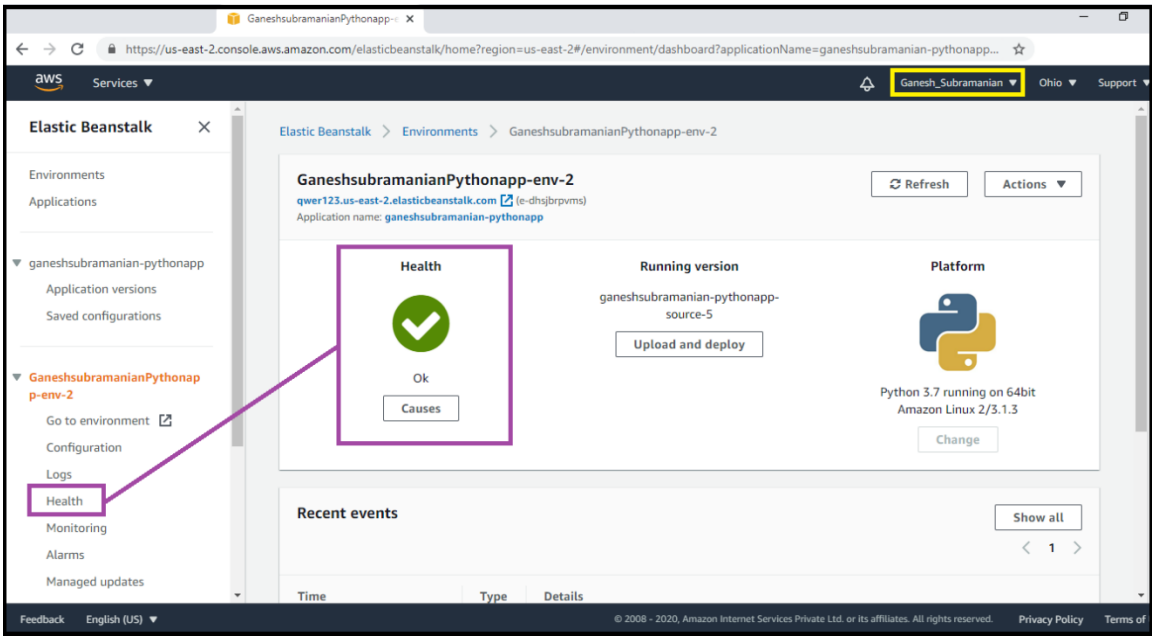


⇨ New Elastic Beanstalk Application creation: - "**ganeshsubramanianpythonapp**" has been created

Screenshot 2: Env list page

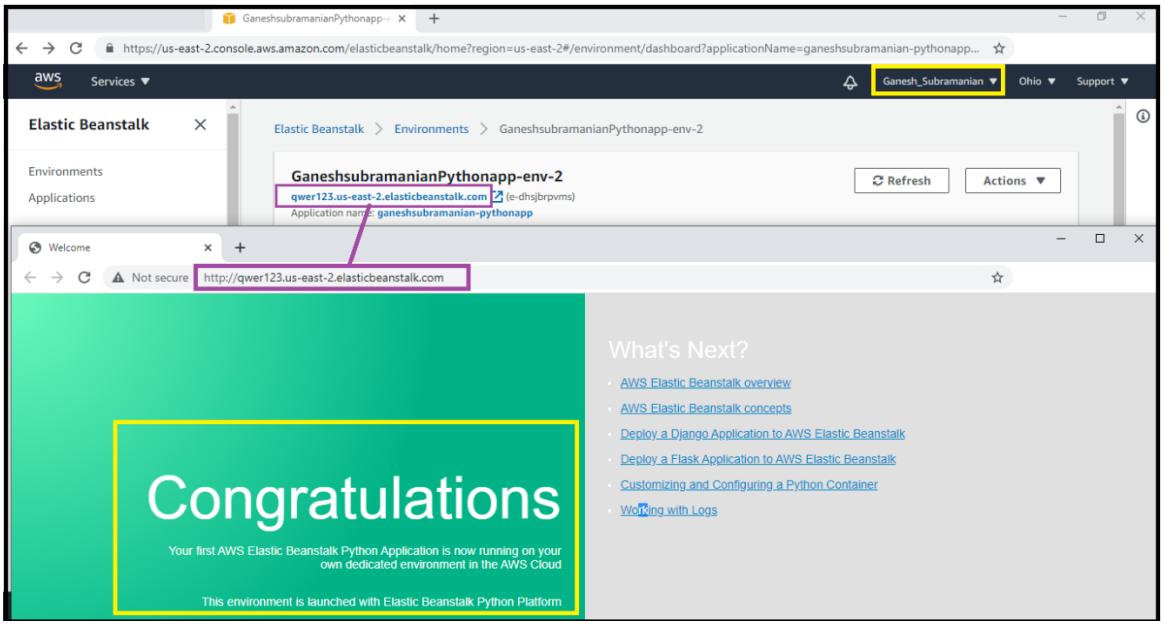


Screenshot 3: Env health status page



⇨ Health Status is Healthy: - After uploading the python file the Health Status is Healthy as Highlighted

Screenshot 4: Web page launched using the elastic beanstalk env



⇨ Launching of Web Page using Elastic Beanstalk environment: - On Clicking on the public URL the Web Page is displayed which indicates the same has been successfully launched using Elastic Beanstalk Environment