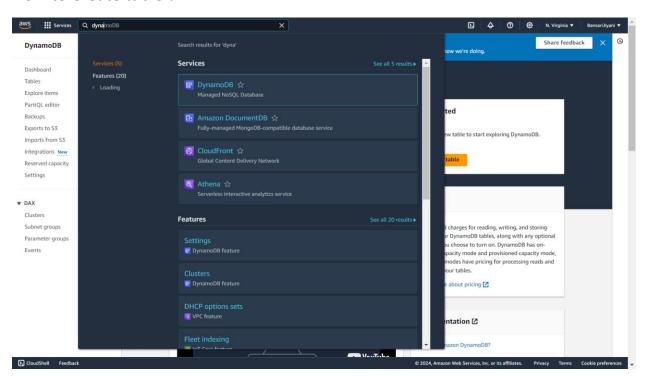
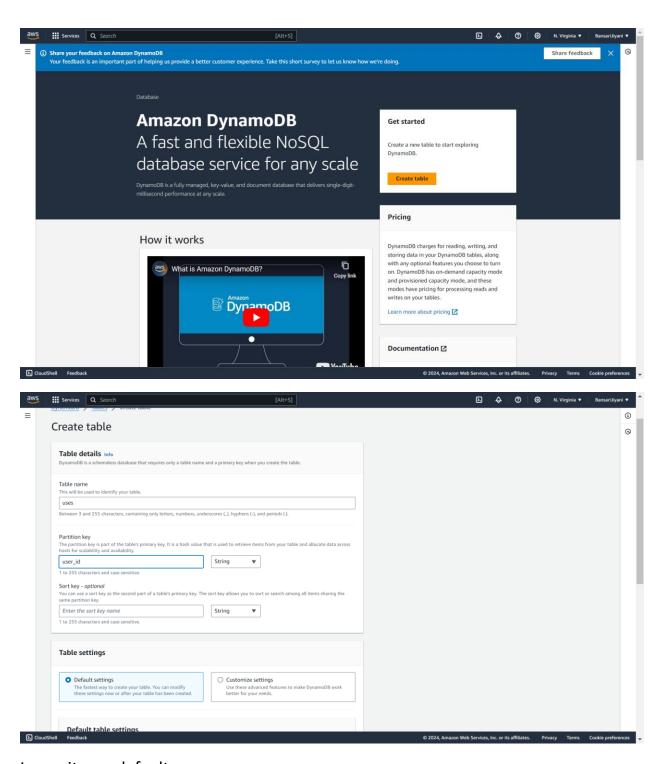
## What is DynamoDB?

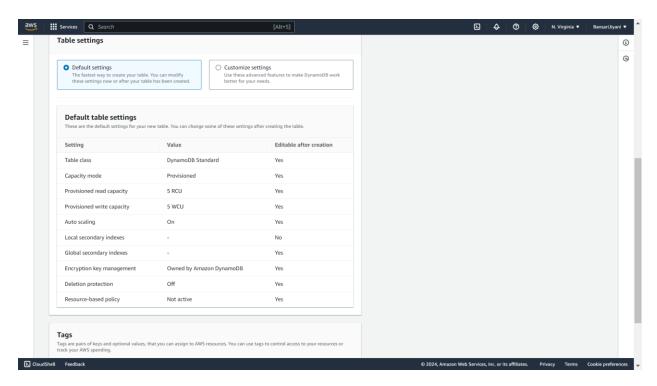
- Amazon DynamoDB is a serverless, NoSQL, fully managed database with single-digit millisecond performance at any scale.
- DynamoDB addresses your needs to overcome scaling and operational complexities of relational databases. DynamoDB is purpose-built and optimized for operational workloads that require consistent performance at any scale. For example, DynamoDB delivers consistent single-digit millisecond performance for a shopping cart use case, whether you've 10 or 100 million users.

#### How to Create table?

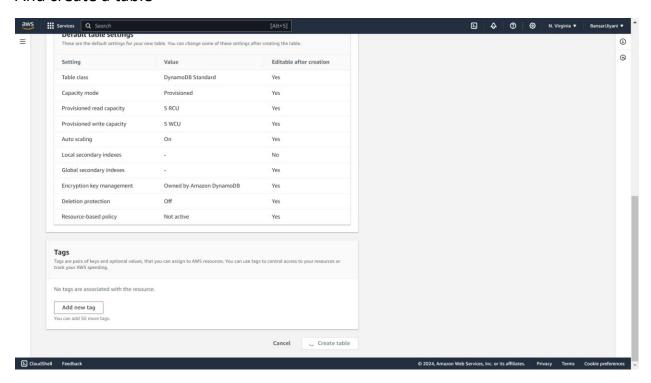




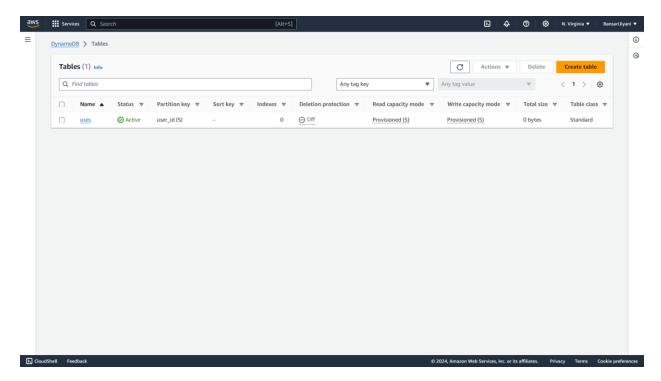
Leave it as a default



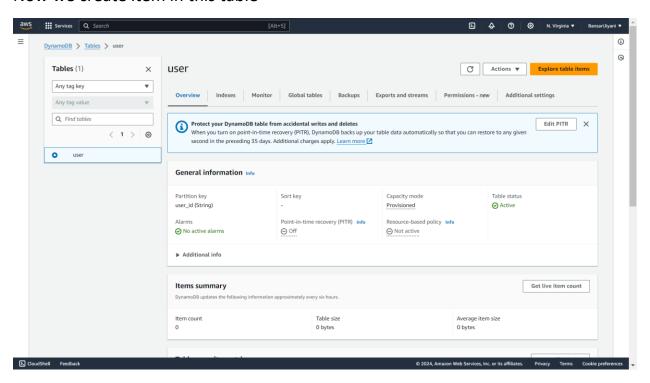
#### And create a table



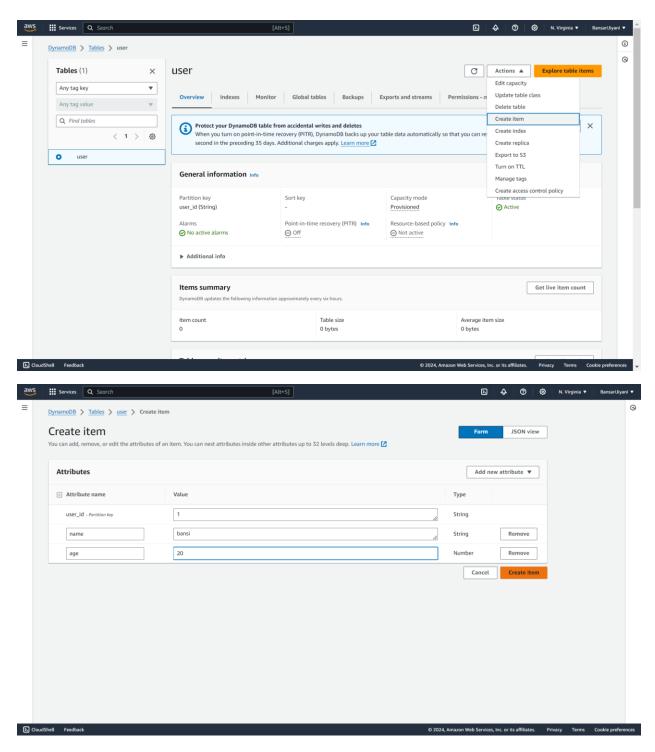
Can see here table is created



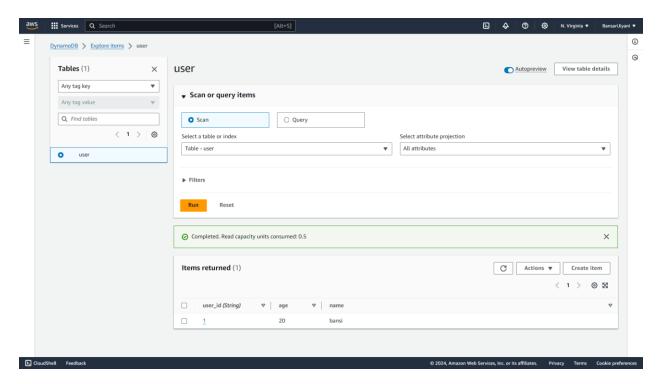
## Now we create item in this table



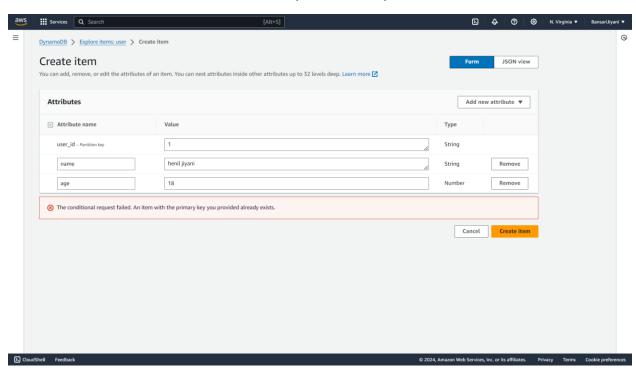
Go to the actions and select create item



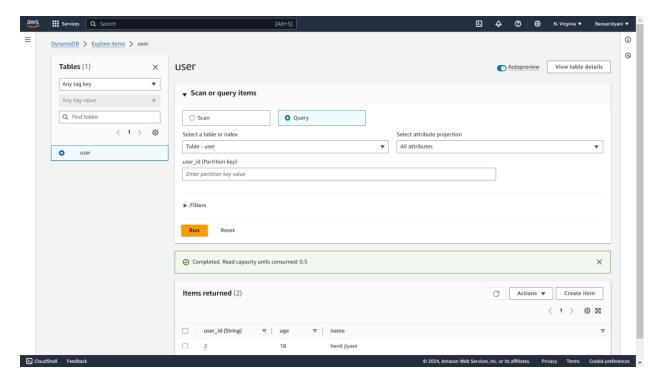
And create the item and you can see here the item of table



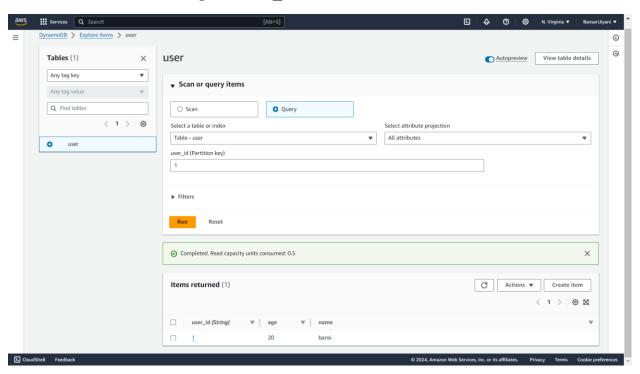
When we create a another is same as partition key than it throws error



We can also run the query from here



# When I entered 1 than it gives user\_id 1 record



Now we create Partition Key

Primary key is a combination of sort key and partition key.

Partition key defined that out object/item is where is stored in to a physical harddisk.

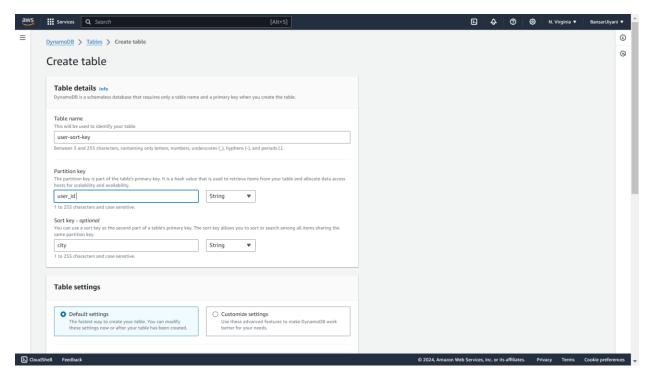
### **Partition Key**

• Definition: The partition key is the primary attribute used to partition data across different nodes in DynamoDB. It's also known as the hash key.

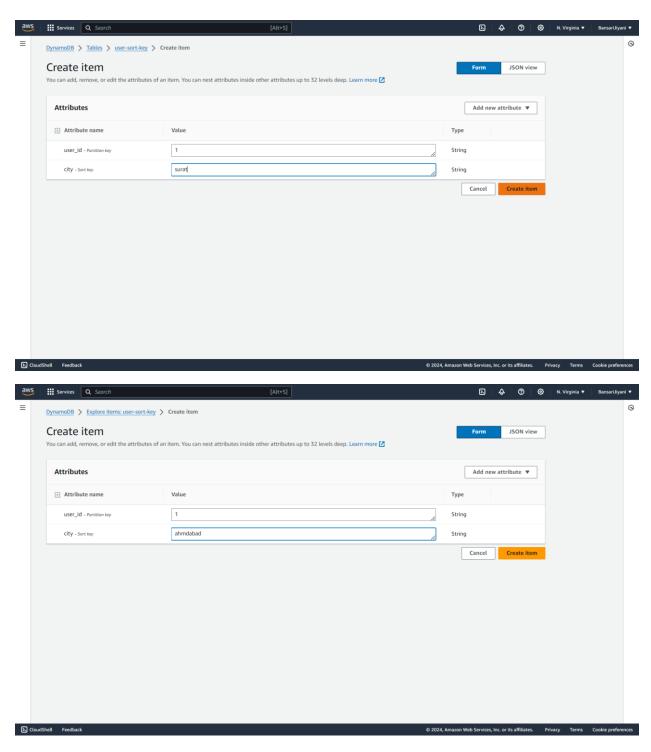
In above table we can not create same user\_id item but if we have a more than one item which user name is same but another field is different than we have to use the sort key.

So in this table we create city as a sort key and now we can create more than one same user\_id item but their City must be different.

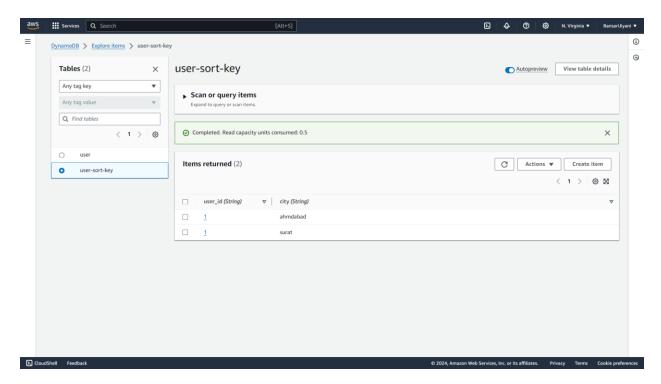
Create a table with a sort key



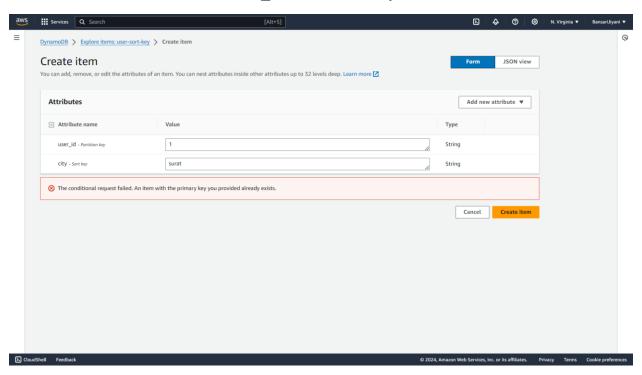
Now we create item



We can create the same user\_id but different city items

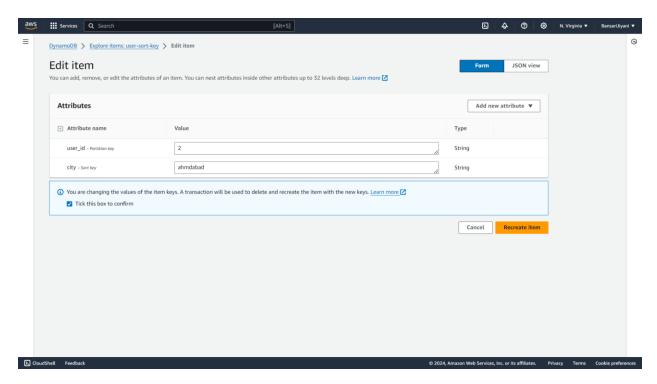


# But we can not create same user\_id and same city item



We can also update the item

So first select the item and update the field as you want



#### And recreate the item

# When we recreate the item than the old item was deleted and new item is created

## Check the items by run

