#### **DynamoDB**

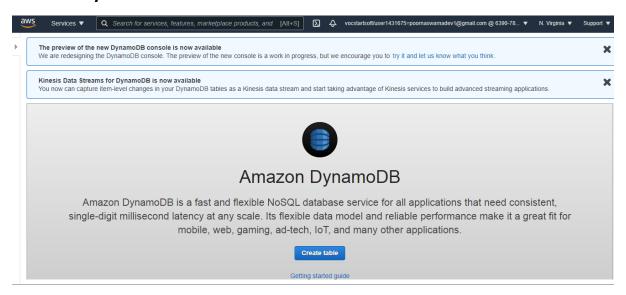
In this example, you create a CollegeStaff table in Amazon DynamoDB.

You will also know to perform insert,update,delete operations on DynamoDB and export the data to S3 in JSON format.

# This table, has the following details.

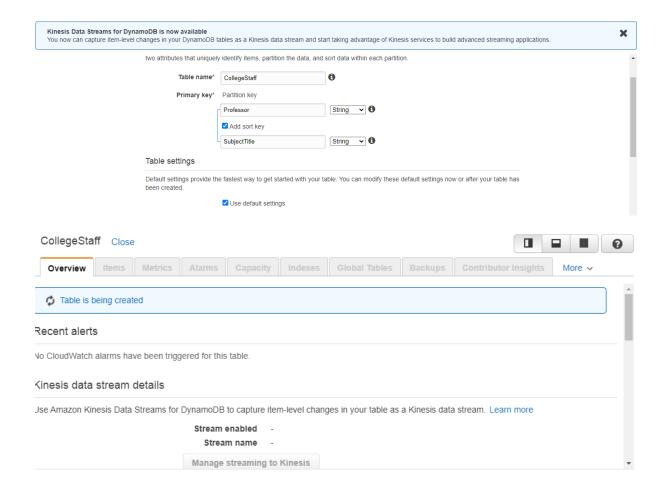
- Partition key Professor
- Sort key subjectTitle

## Create a DynamoDB database



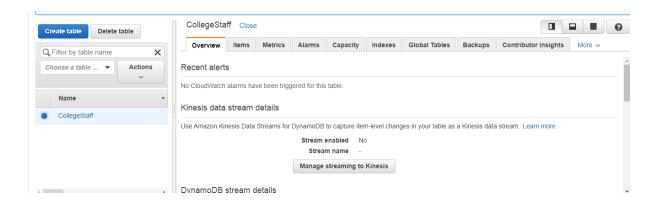
#### Enter the table details as follows:

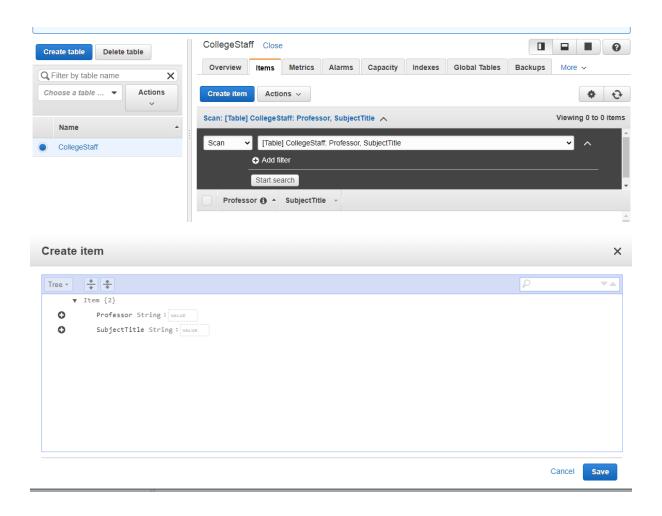
- a. For the table name, enter CollegeStaff
- b. For the partition key, enter **Professors**.
- c. Choose Add sort key.
- d. Enter **SubjectTitle** as the sort key.



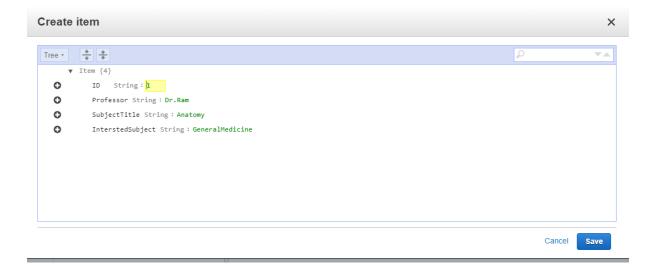
# Write Data to the Table CollegeStaff

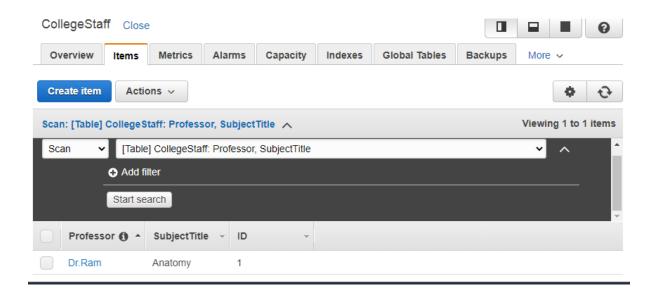
- 1. Open the DynamoDB console at <a href="https://console.aws.amazon.com/dynamodb/">https://console.aws.amazon.com/dynamodb/</a>.
- 2. In the navigation pane on the left side of the console, choose **Tables**.
- 3. In the table list, choose the **CollegeStaff** table.
- 4. Choose the **Items** tab for the **CollegeStaff** table.
- 5. On the **Items** tab, choose **Create item**.

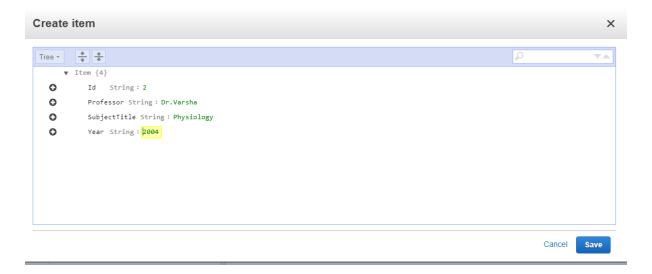


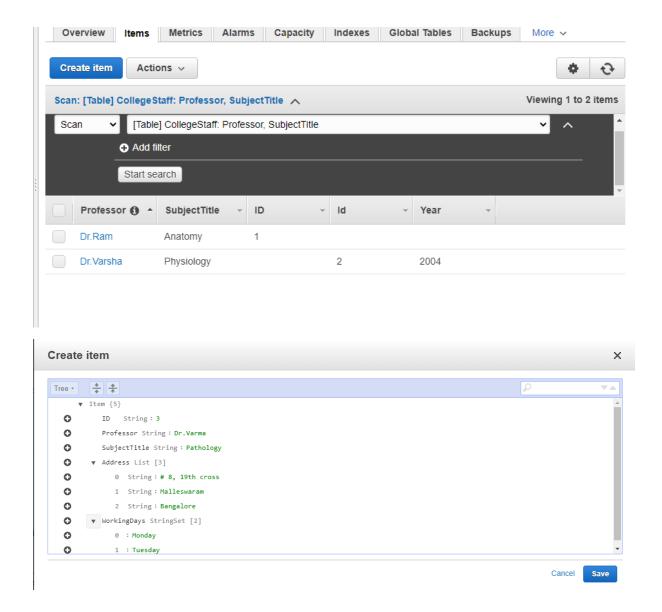












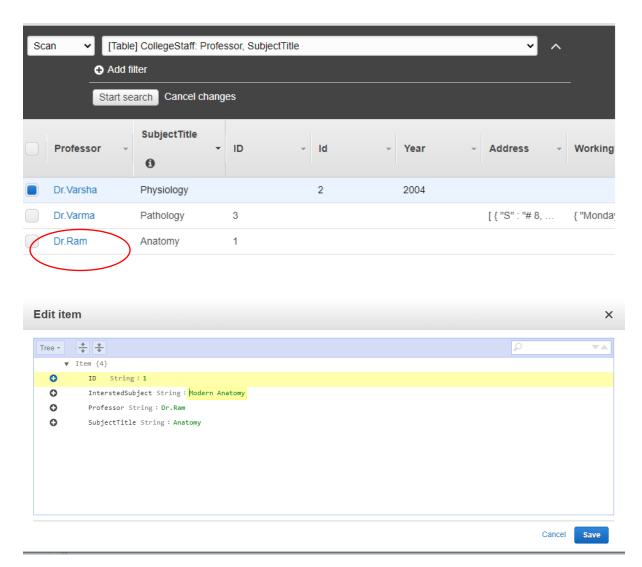
# **Read Data from DynamoDB**

- 1. In the navigation pane on the left side of the console, choose **Tables**.
- 2. Choose the **CollegeStaff** table from the table list.
- 3. Choose the **Items** tab for the **CollegeStaff** table.
- 4. On the **Items** tab, view the list of items stored in the table, sorted by **"Professor"** and "SubjectTitle"



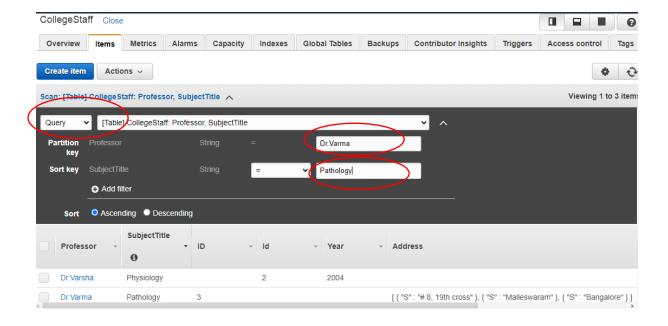
#### **Step 4: Update Data**

- 1. In the navigation pane on the left side of the console, choose **Tables**.
- 2. Choose the **CollegeStaff** table from the table list.
- 3. Choose the **Items** tab for the **CollegeStaff** table.
- 4. Choose the item whose **Professor** value is **Dr.Ram** and **SubjectTitle** value is "Anatomy"
- 5. Update the **InterestedSubject** value to **Modern Anatomy**, and then choose **Save**.



# Step 5: Query Data

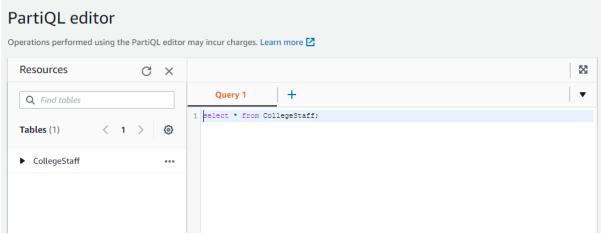
- 1. In the navigation pane on the left side of the console, choose **Tables**.
- 2. Choose the **CollegeStaff** table from the table list.
- 3. Choose the **Items** tab for the **CollegeStaff** table.
- 4. In the drop-down list, choose **Query**.



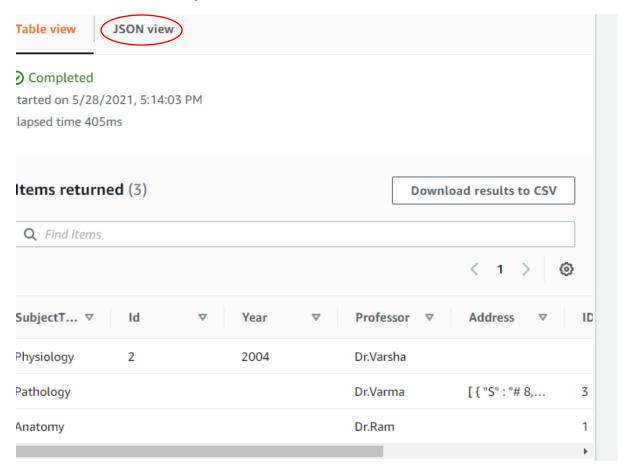
## Lets visit partiQ editor for DynamoDB



# **ENABLE (PITR)- Point-in-Time Recovery.**



# **RUN** and check the output



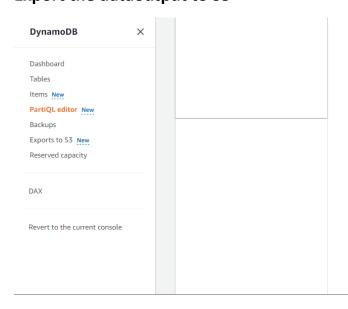
Click on JSON view to see the JSON form of output

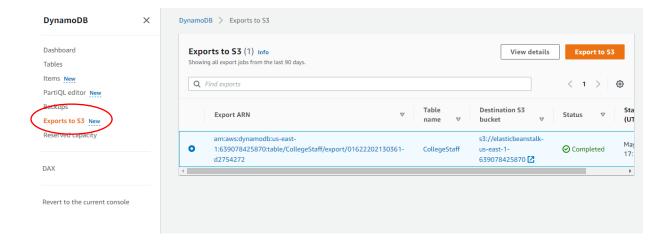
```
Table view
```

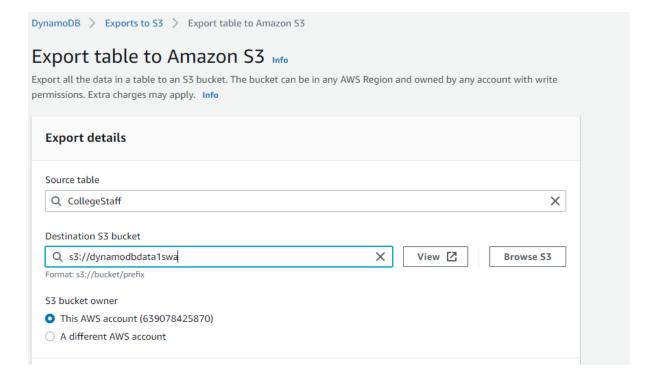
#### JSON view

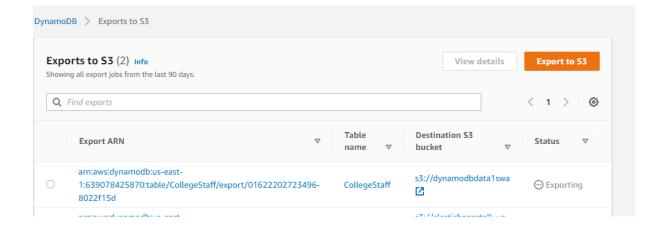
```
"Items":[ 3 items 📴
▼0:{ 4 items 🕏
   ▼ "SubjectTitle" : { 1 item
      "S": "Physiology"
   ▼ "Id" : { 1 item
      "S": "2"
   }
   ▼ "Year" : { 1 item
      "S": "2004"
   ▼ "Professor" : { 1 item
      "S": "Dr.Varsha"
   }
}
▼1:{ 5 items
   ▼ "Address" : { 1 item
       ▼"L":[ 3 items
          ▼0:{ 1 item
             "S": "# 8, 19th cross"
          }
```

# **Export the dataoutput to S3**



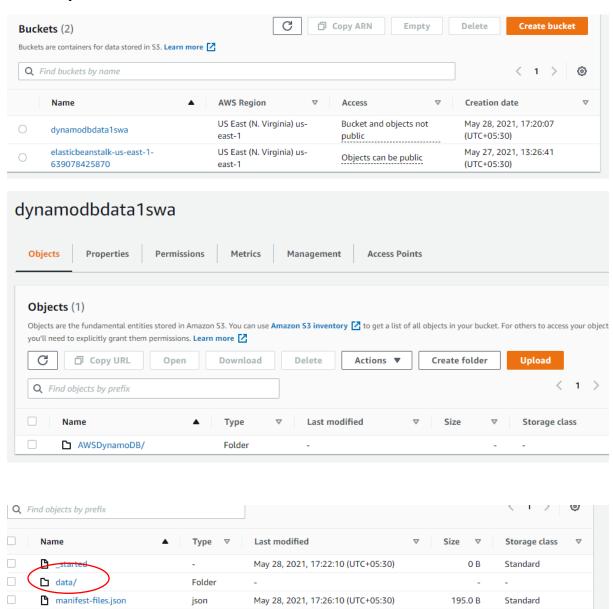






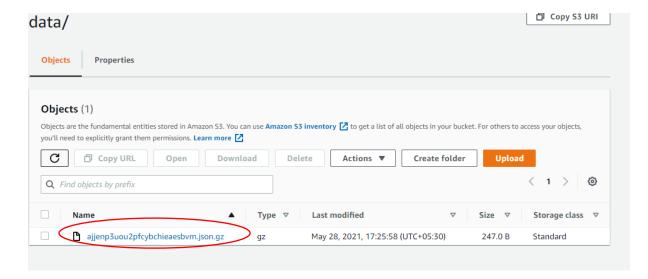
# Wait till the status changes to completed.

# Select uploaded bucket from S3



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Terms of Use

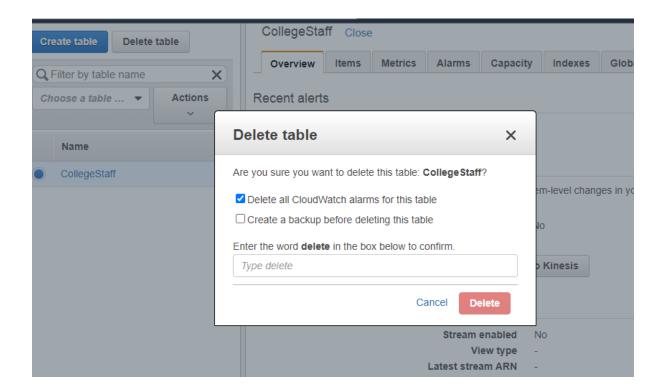


Go Inside all the sub folders and See the file is uploaded in JSON format in S3.

# Clean-Up

**Goto DynamoDB Table View** 

Select CollegeStaff and delete the table.



**Empty and Delete S3 Bucket.** 

Happy Learning!!!!!