

## Project 1

**Scenario :** Create Amazon Dynamo DB Table using default table setting. The table name must be “Student” and the Partition key must be “rollno” – Number Type. Add these items in the table “Student.”

Rollno(Number) Name(String)

20 Amit

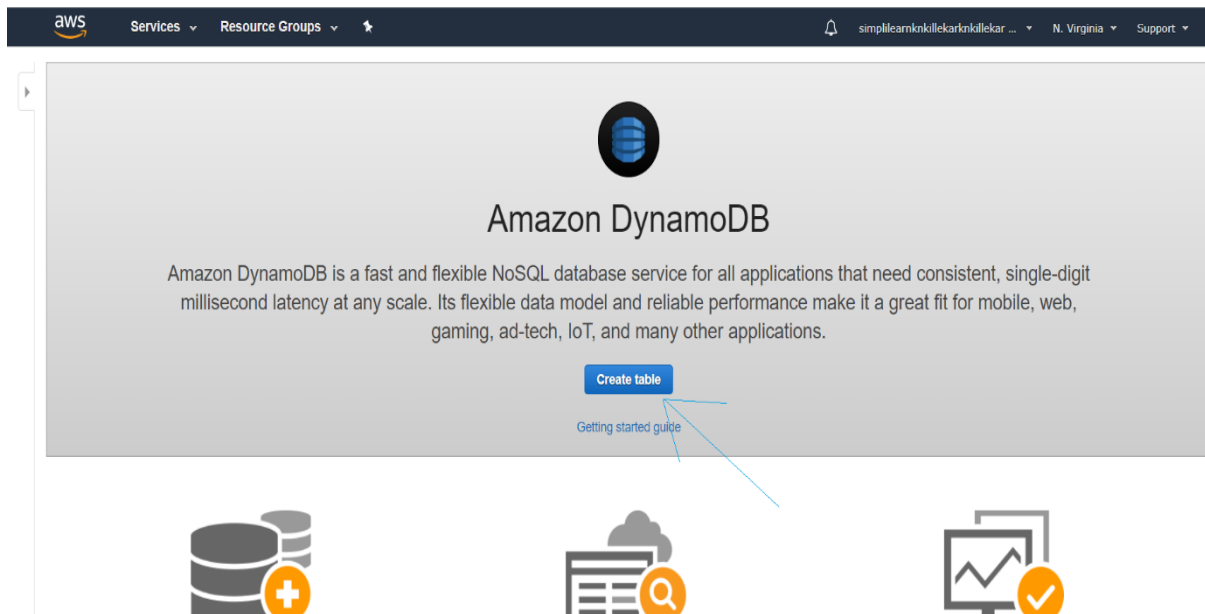
30 Anil

40 Aman

Query the rollnumber 20 and Delete the Amazon Dynamo DB Table “Student.”

### **Solution:**

**Step 1:** Open AWS management console, click on Services. Go to Database section and click on DynamoDB. The following window will appear. Click on Create table as shown below.



**Step 2:** Now enter the Table name as “Student” and Partition key as “rollno” (Number) as shown in the window below. Then click on Create option.

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### Create DynamoDB table

DynamoDB is a schema-less database that only requires a table name and primary key. The table's primary key is made up of one or two attributes that uniquely identify items, partition the data, and sort data within each partition.

Table name: Student

Primary key: Partition key  
rollno Number

☐ Add sort key

#### Table settings

Default settings provide the fastest way to get started with your table. You can modify these default settings now or after your table has been created.

☒ Use default settings

- No secondary indexes.
- Provisioned capacity set to 5 reads and 5 writes.
- Basic alarms with 80% upper threshold using SNS topic "dynamodb".
- Encryption at Rest with DEFAULT encryption type.

**You do not have the required role to enable Auto Scaling by default.**  
Please refer to documentation.

+ Add tags

Additional changes may apply if you exceed the AWS Free Tier levels for CloudWatch or Simple Notification Service. Advanced alarm settings are available in the CloudWatch management console.

Cancel Create

**Step 3:** Next click on items in Student table as shown below.

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### Student

Overview Items Metrics Alarms Capacity Indexes Global Tables Backups Contributor Insights Triggers Access control Tags

Recent alerts

No CloudWatch alarms have been triggered for this table.

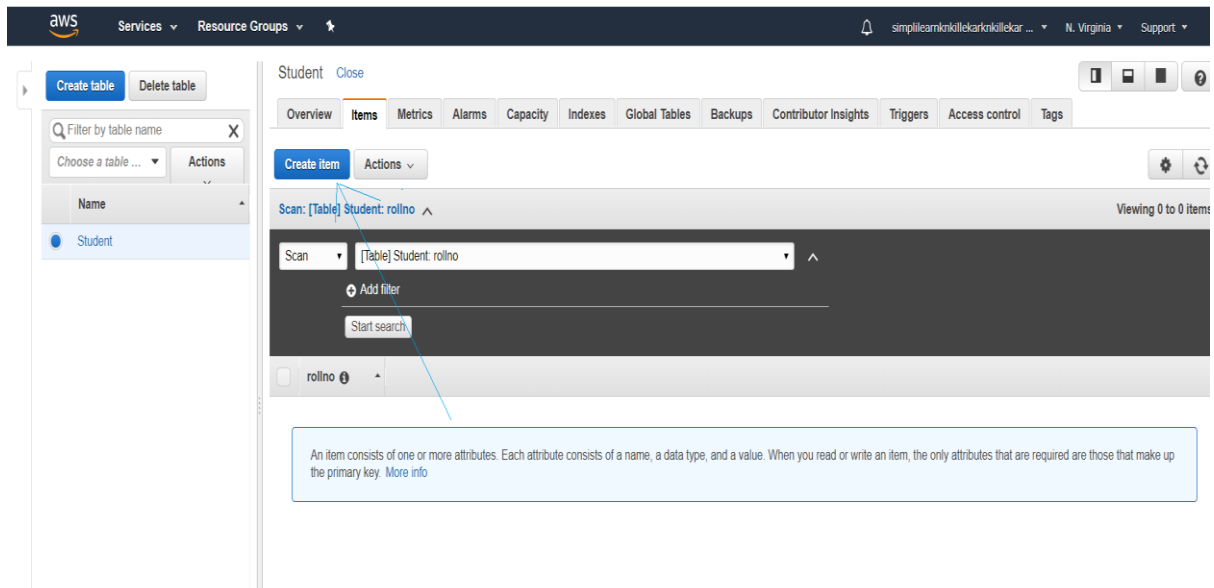
Stream details

Stream enabled No  
View type -  
Latest stream ARN -  
Manage Stream

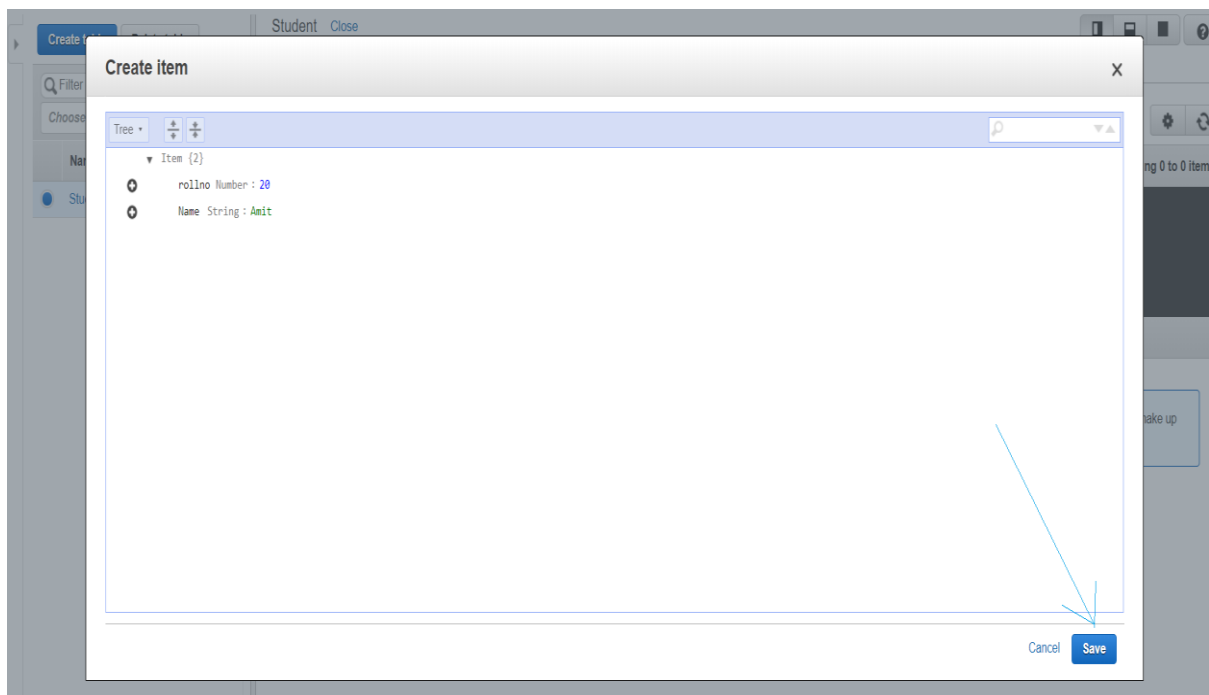
Table details

Table name	Student
Primary partition key	rollno (Number)
Primary sort key	-
Point-in-time recovery	DISABLED <a href="#">Enable</a>
Encryption Type	DEFAULT <a href="#">Manage Encryption</a>
KMS Master Key ARN	Not Applicable
Encryption Status	

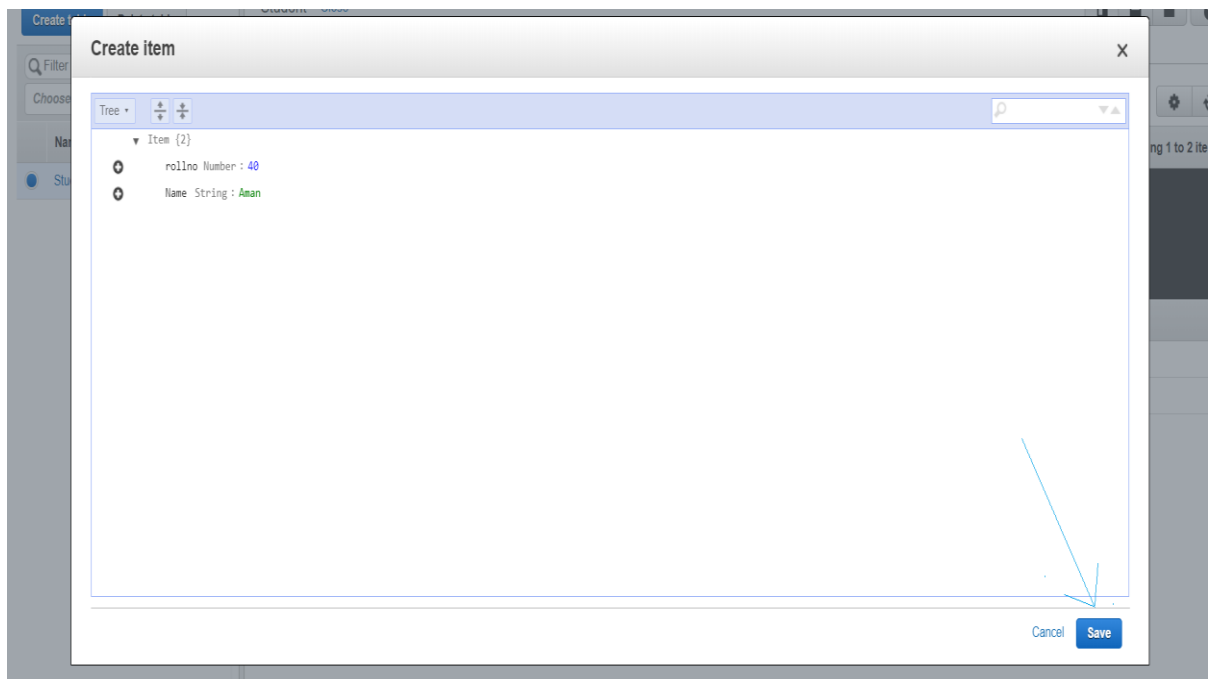
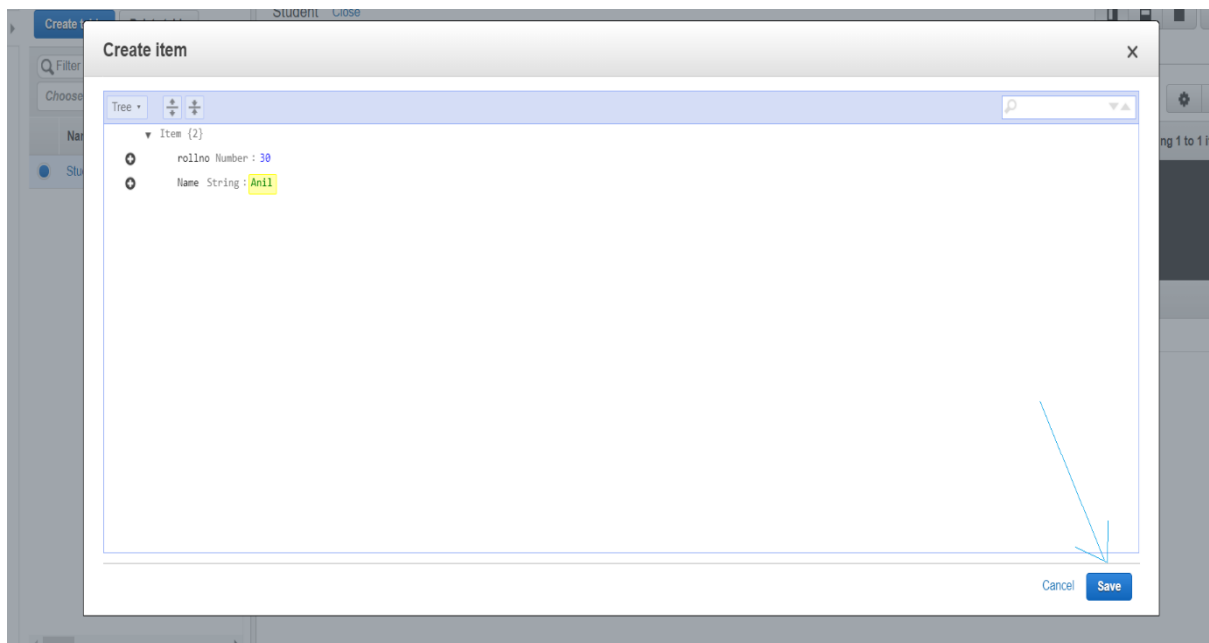
**Step 4:** After selecting items tab, the following window will appear. Now click on Create item as shown below.



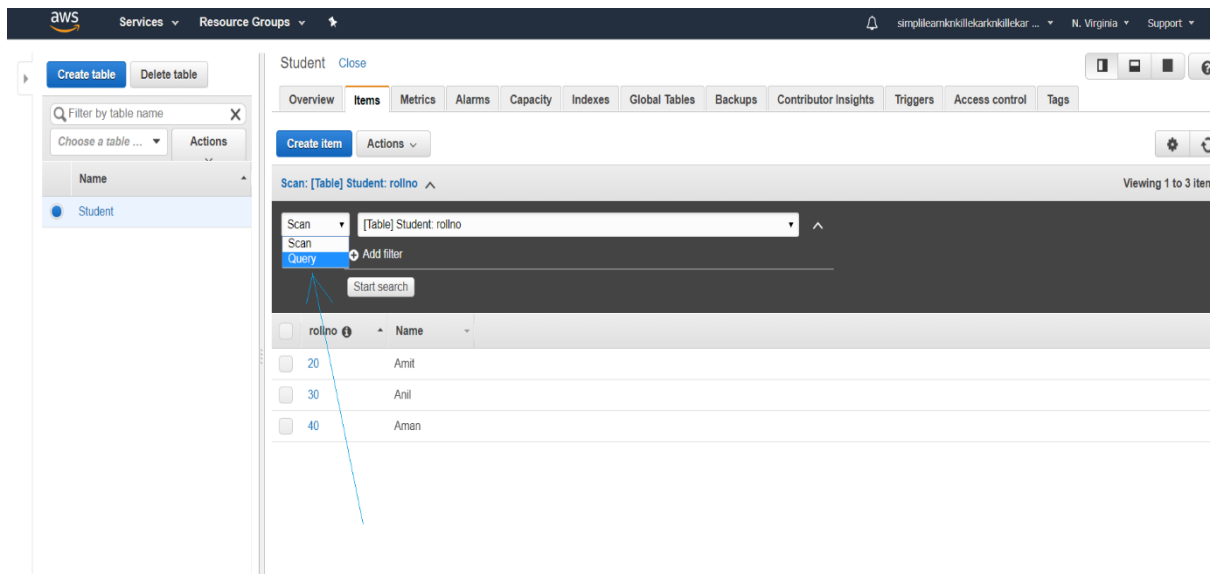
**Step 5:** After selecting Create item, the Create item window will open. In this window enter the following details as shown below. After entering the details, click on save option.



**Step 6:** Repeat the step 5 to add the other two next items as shown in the following windows.



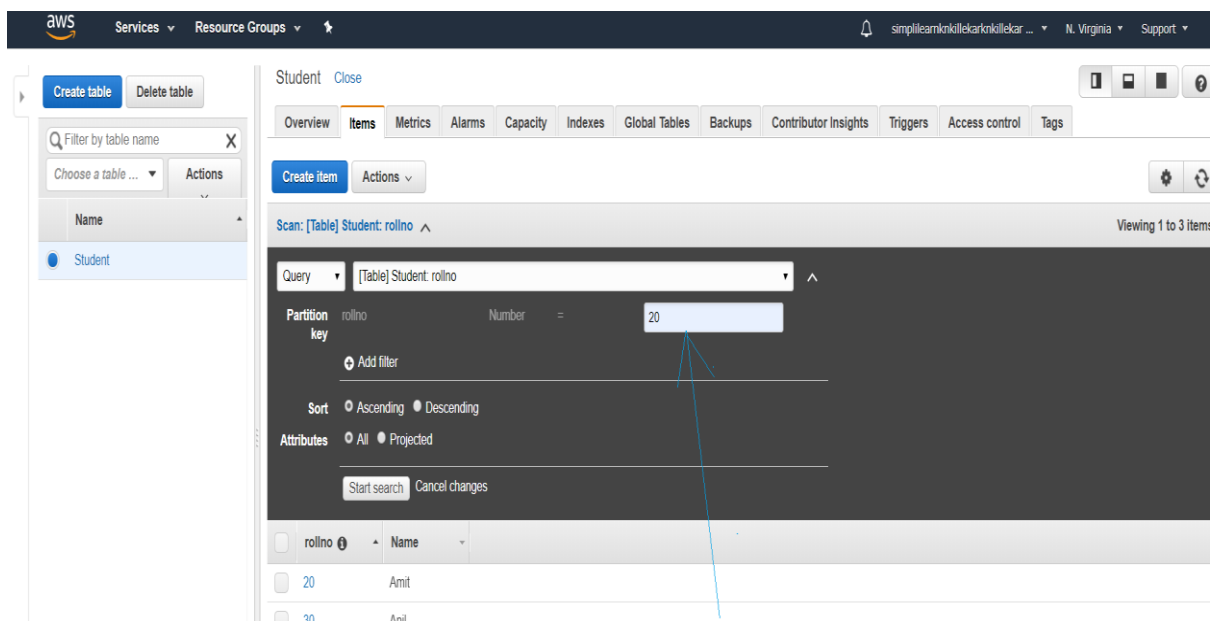
**Step 7:** Now in the “Student” table the query the rollnumber 20 as shown in the following windows. Select the Query option as shown in the window below



The screenshot shows the AWS Glue console interface. On the left, a sidebar contains a 'Create table' button and a search bar. The main area displays the 'Student' table details. The 'Scan' dropdown menu is open, and the 'Query' option is selected. Below the dropdown, a table lists the data for the 'Student' table:

rollno	Name
20	Amit
30	Anil
40	Aman

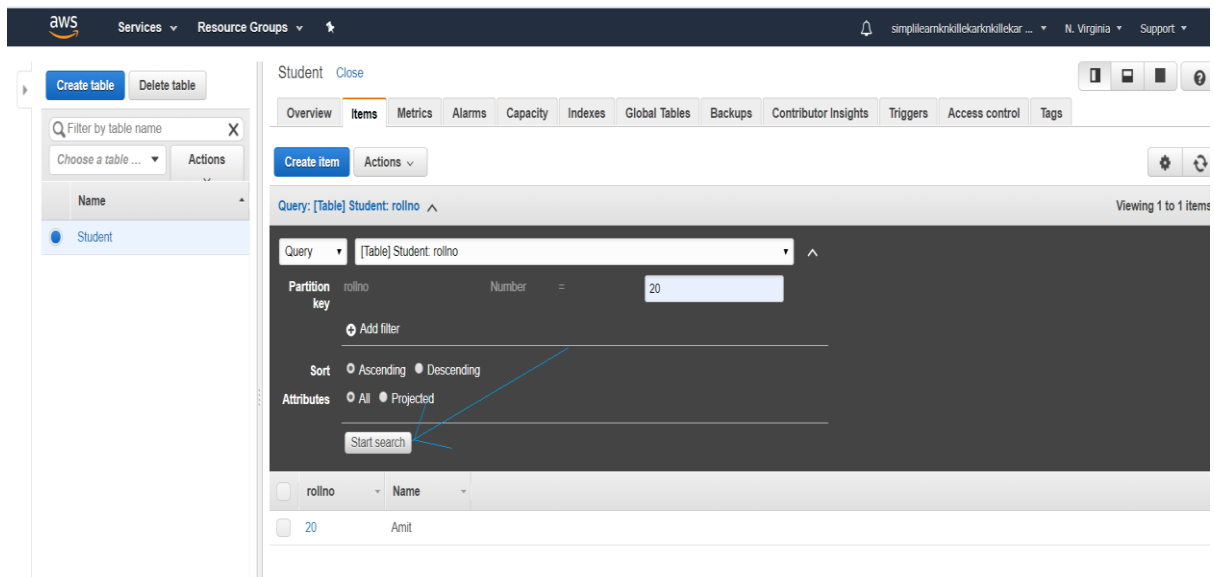
**Step 8:** Next, enter the query the rollnumber 20 as shown the below.



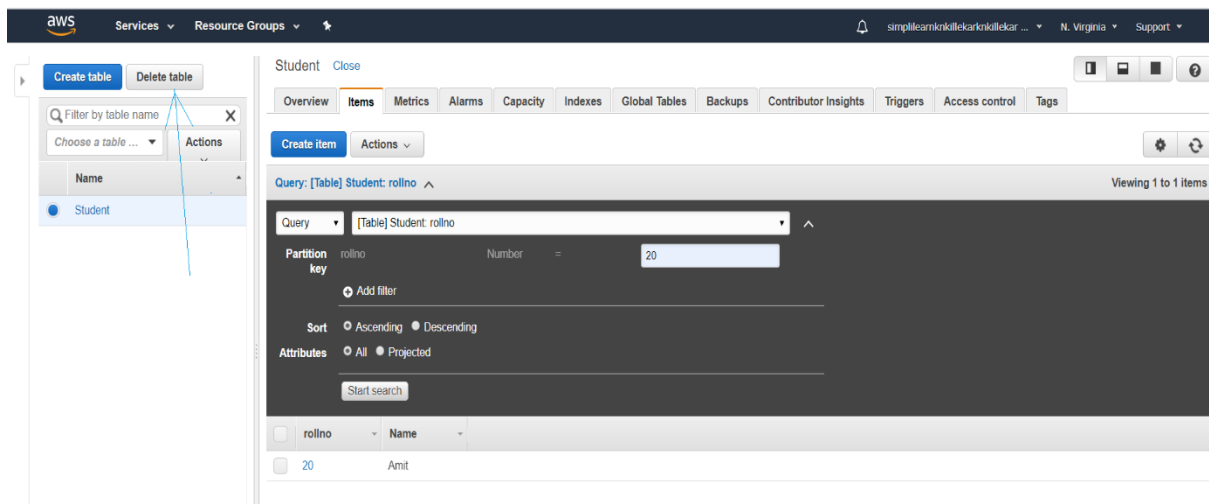
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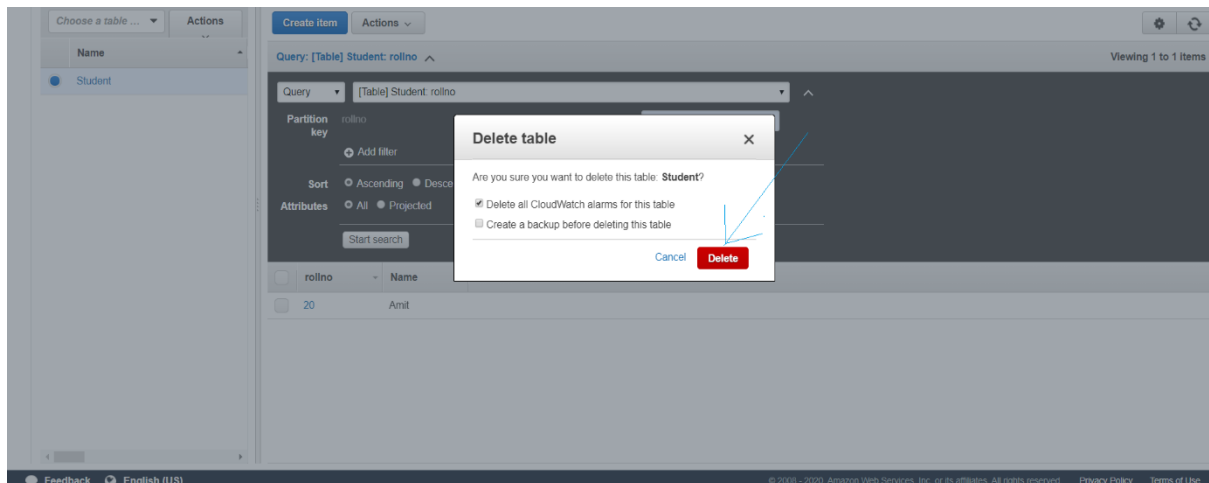
**Step 9:** Next, click on Start search option to get the required result as shown below.



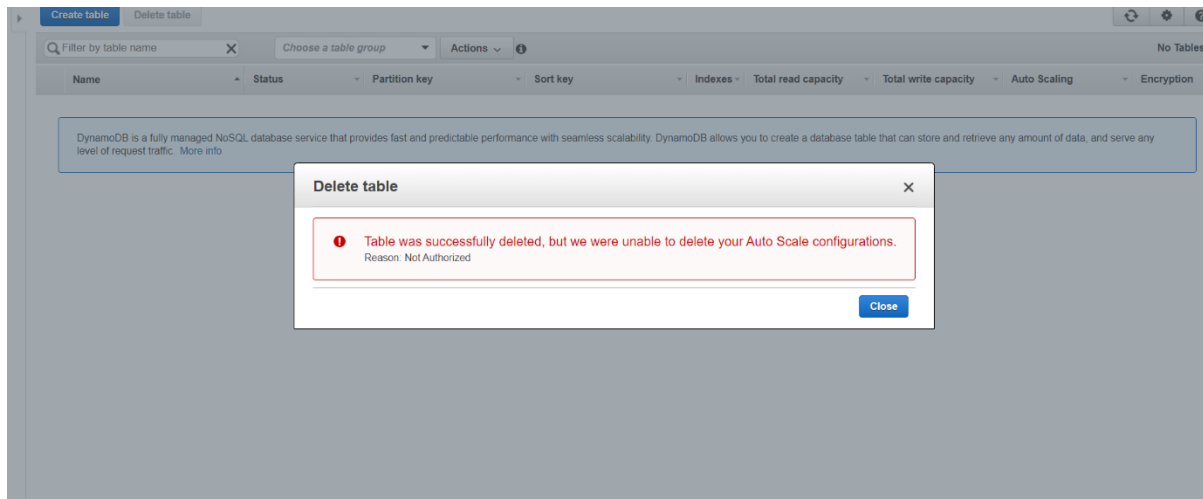
**Step 10:** To delete the table “Student” click on delete table option as shown in the window below.



A popup window will appear and click on delete option as shown in window below.



The table “ Student” is deleted successfully as shown in the window below.



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