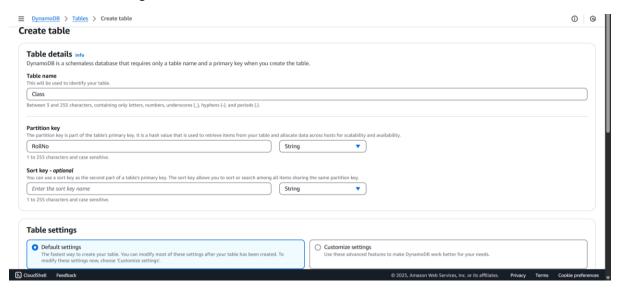
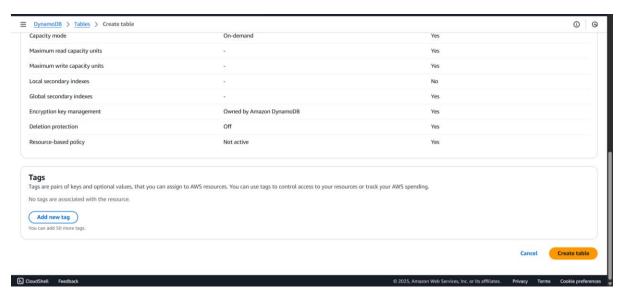
# **DYNAMODB**

DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table. It is a fully managed NOSQL database service provided by AWS, designed for ultrafast and predictable performance at any scale. It supports key-value data models, automatically handles data replication, and scaling.

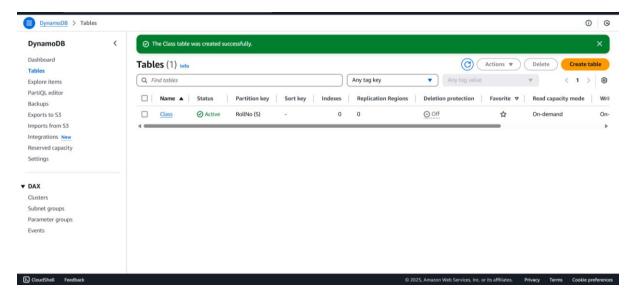
Create a table in DynamoDB with name "Class" and set the partition key as "RollNo" Number value and leave other settings to default values.



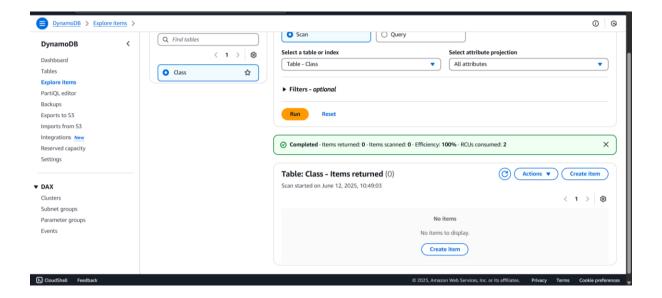
#### Then click on create table



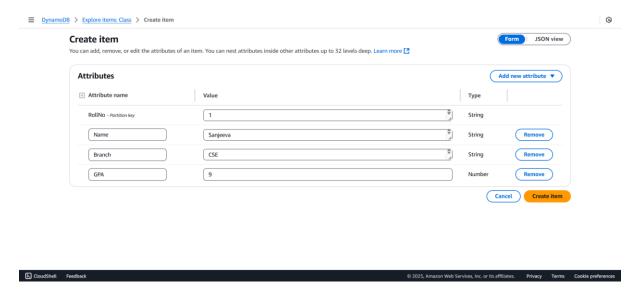
## Table created successfully



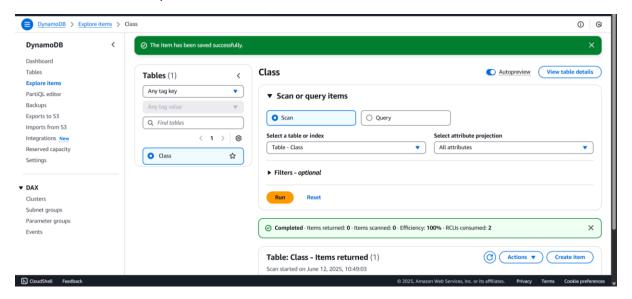
Now go to Explore items, select the table that we created just now and create a item



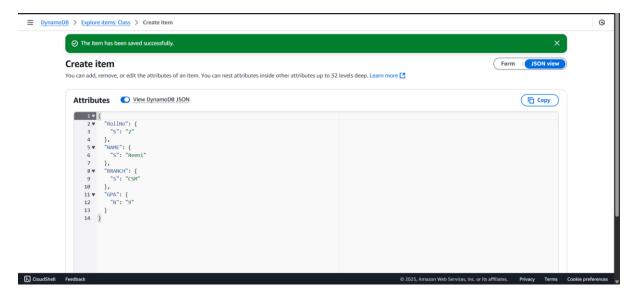
In the Form section, enter the attributes and their values and then click on create item



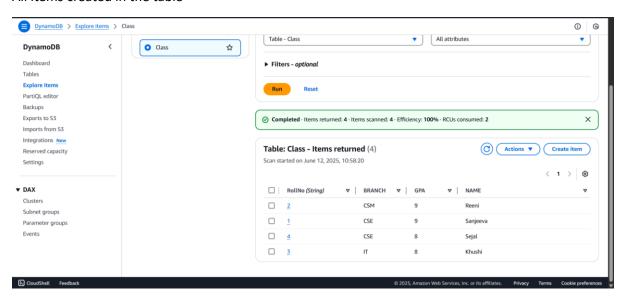
## Item created Successfully



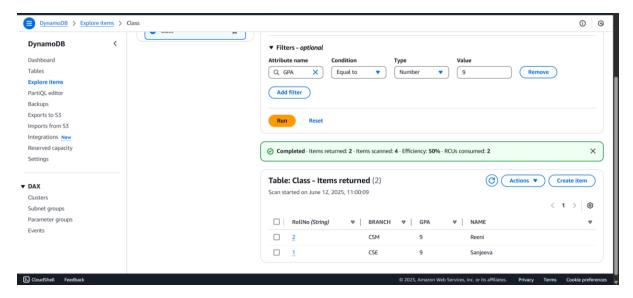
## We can also create item using JSON format



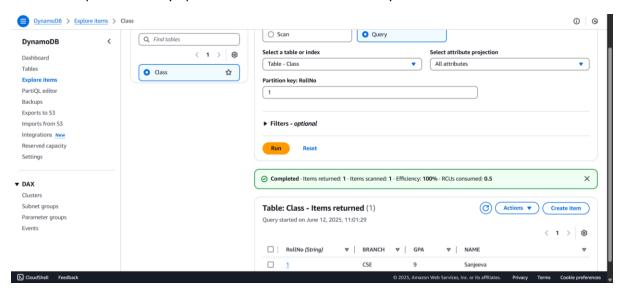
## All items created in the table



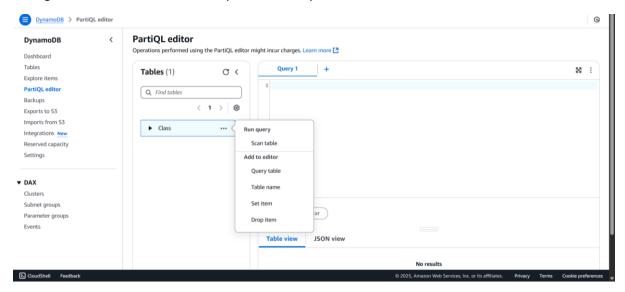
Now by using the SCAN in the table, we can scan the items based the filters that we provide



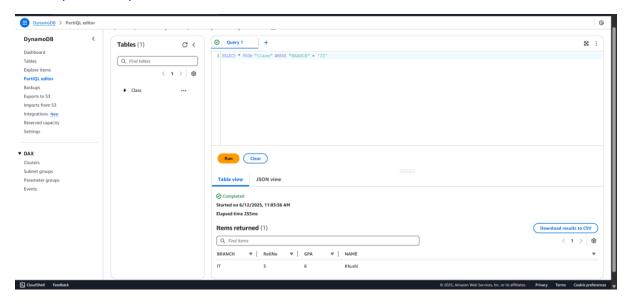
We can also perform Query operation based on the Partition key



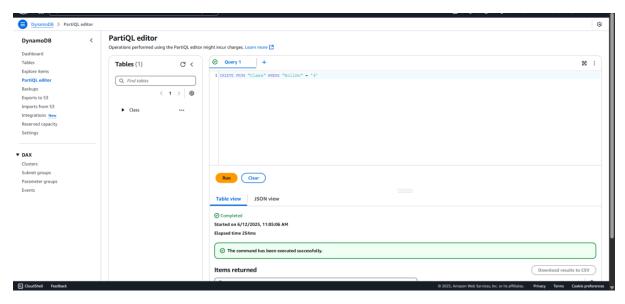
Now go to PartiQL and here we can perform Query in the form SQL

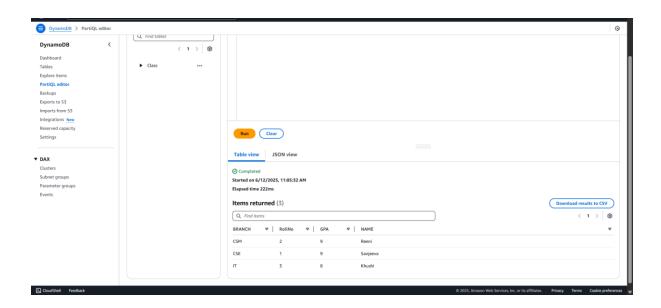


## Select operation is performed

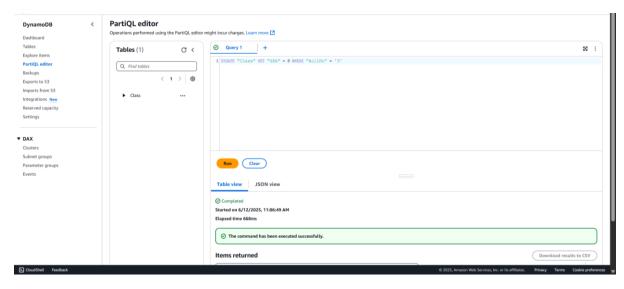


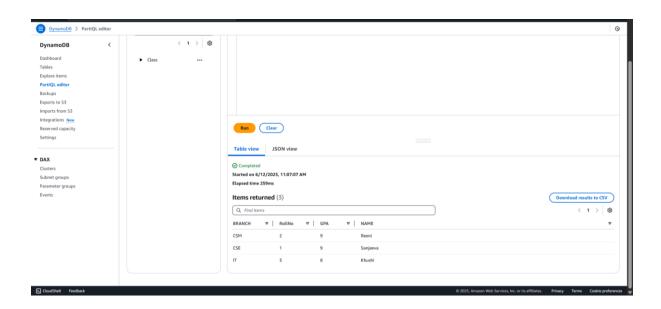
# Delete operation is also performed from the table





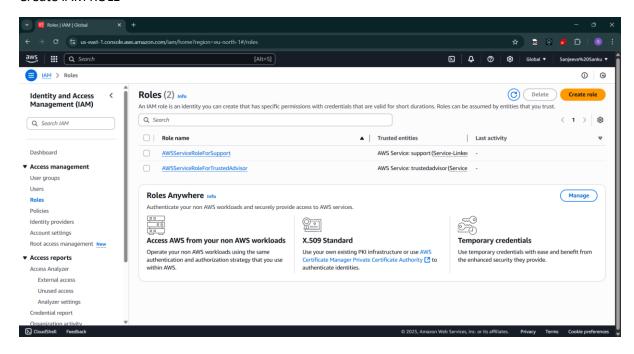
## Update operation is also performed from the table



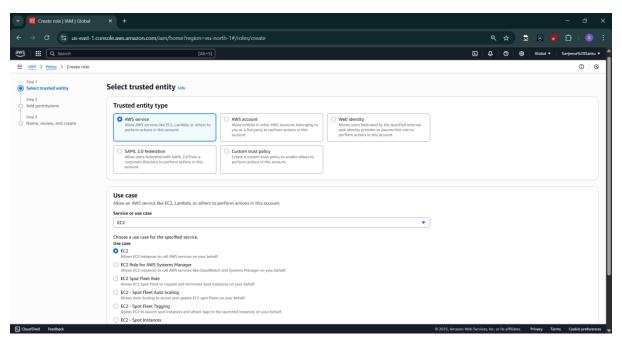


## **IAM ROLE**

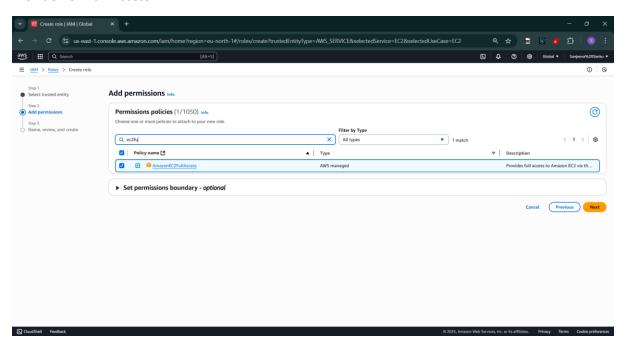
## Create IAM ROLE



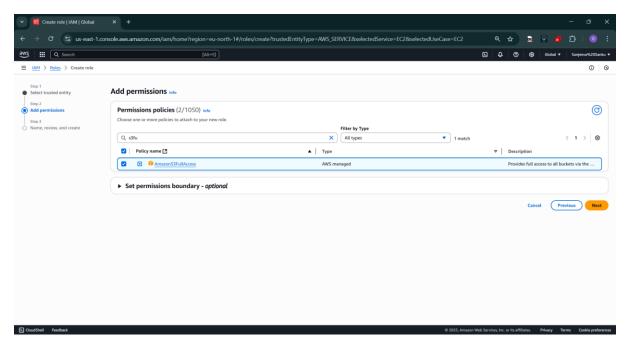
#### Provide EC2 Access for the role



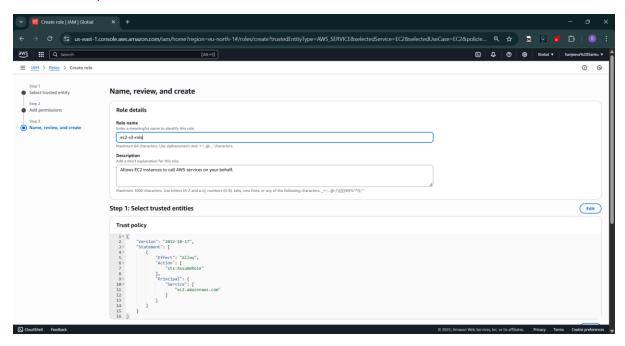
#### Provide EC2 Full Access



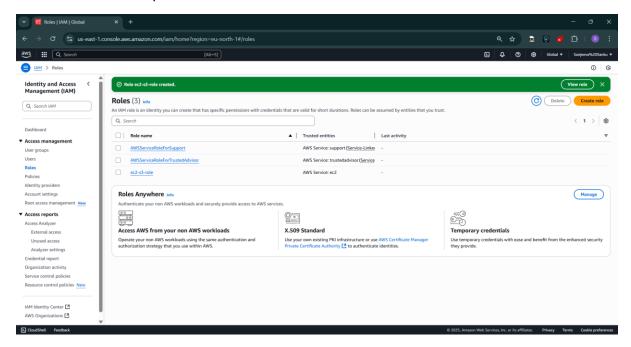
## Provide S3 Full Access

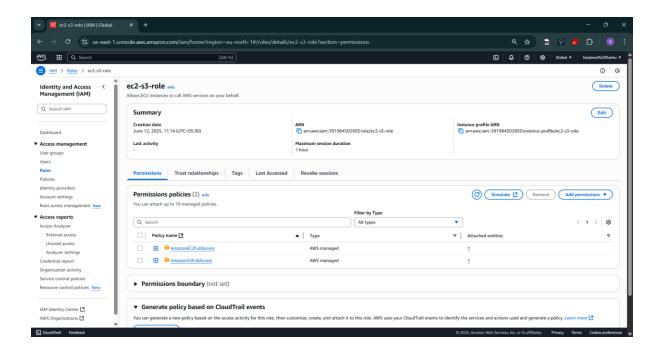


## Give name to your role

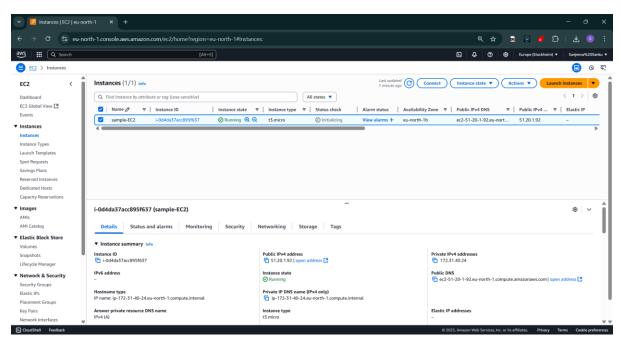


#### Role created succesfully

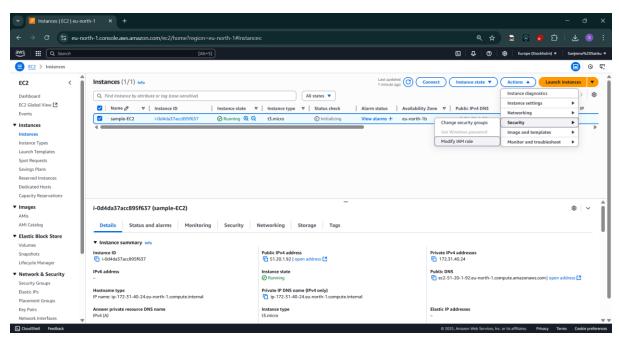




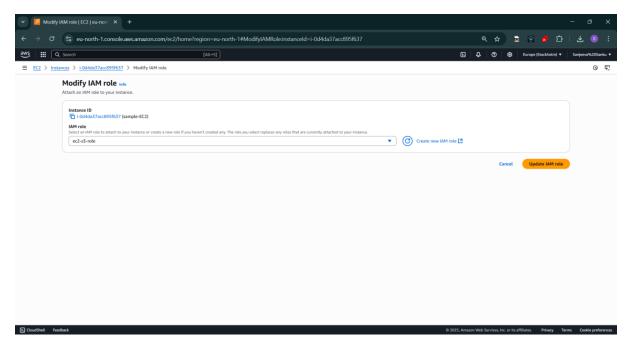
#### Create ec2 instance



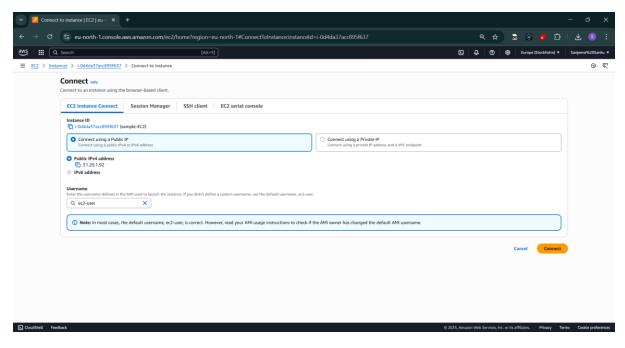
## Now click on security and modify IAM role



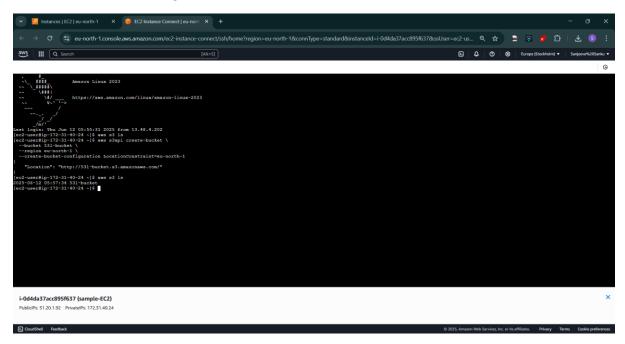
#### Select the created IAM role



# Directly connect to the instance



# Creating a bucket named 53w-bucket Bucket is created since we gave S3FullAccessPermission



When creating a DynamoDB it is access denied since we haven't set the role

