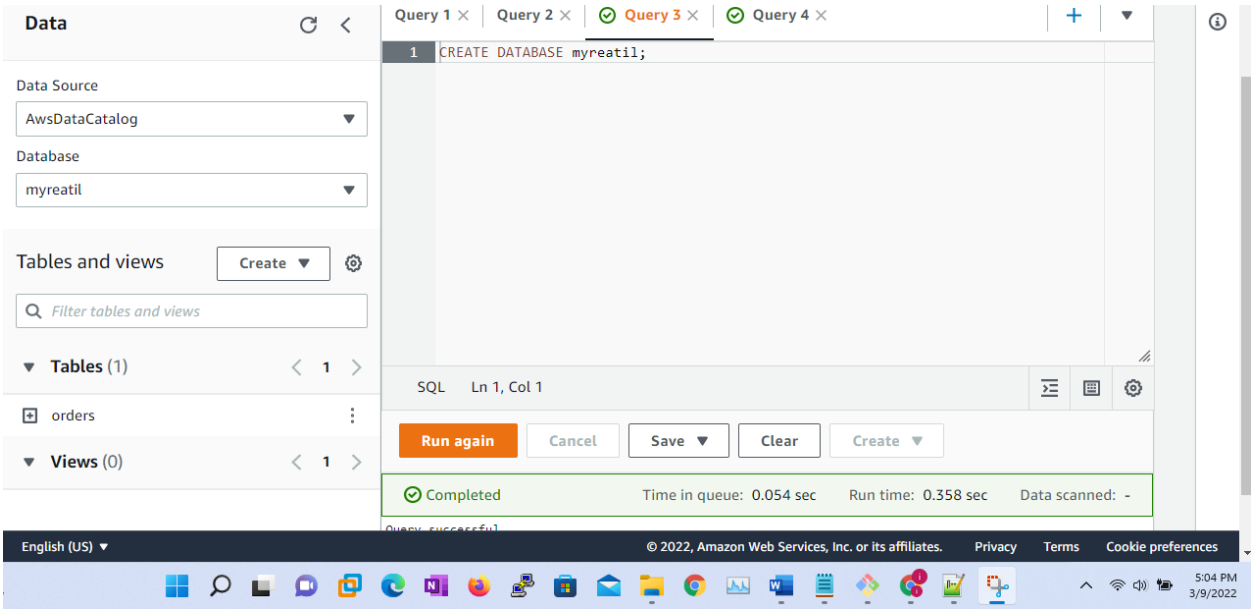
Create Database and Tables using Athena

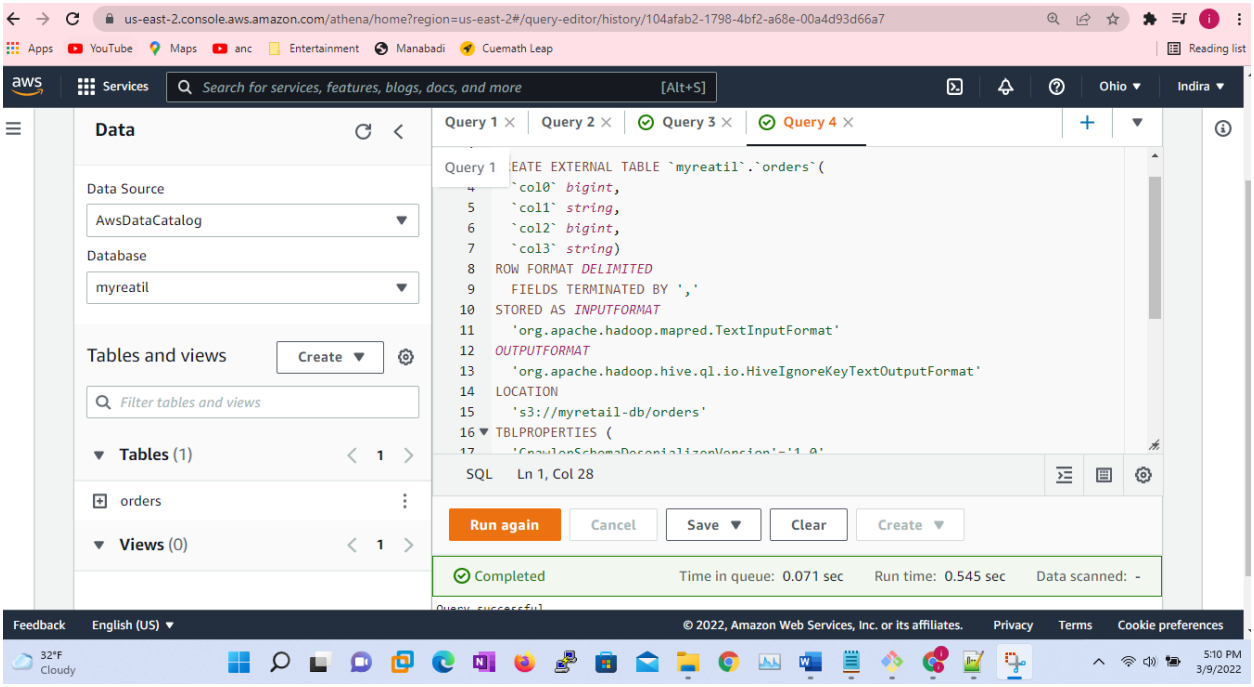
Using the Athena created the Database name ‘myretail’



Database is successfully created. Created the tables under database “myreatil”

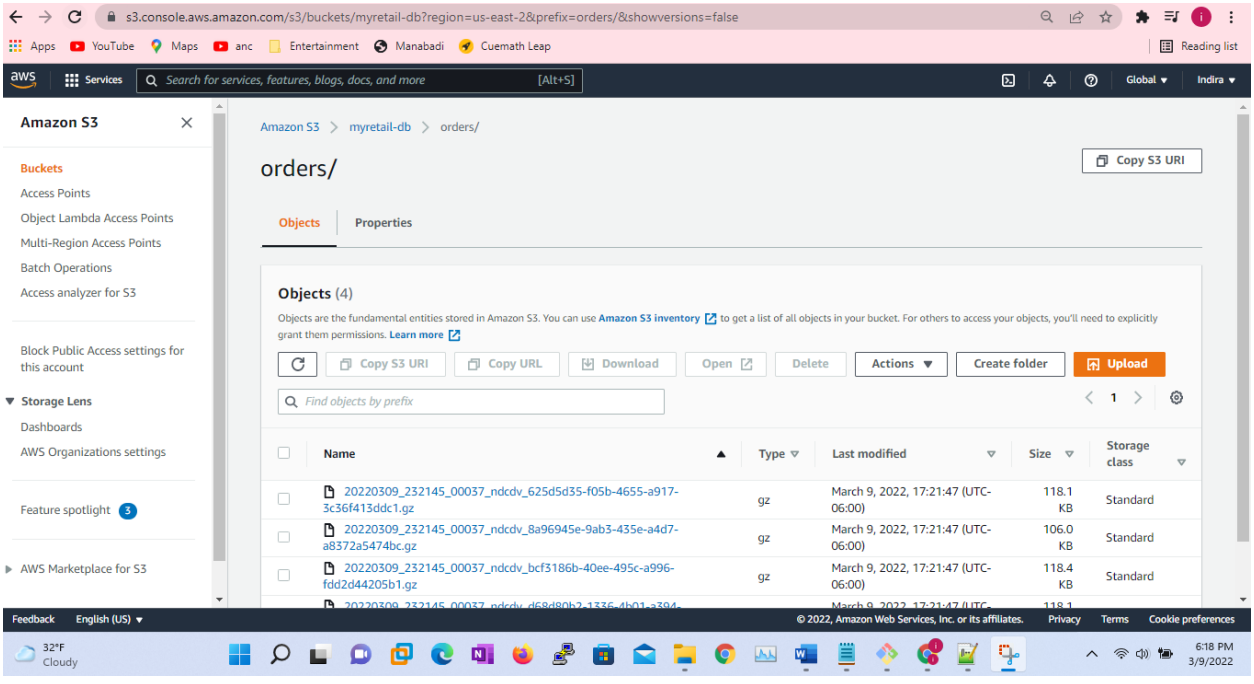
Select Data Source: AWSDataCatalog

DataBase: myreatil



Insert data into the tables by using the commands

Verified that data is inserted into the s3 bucket

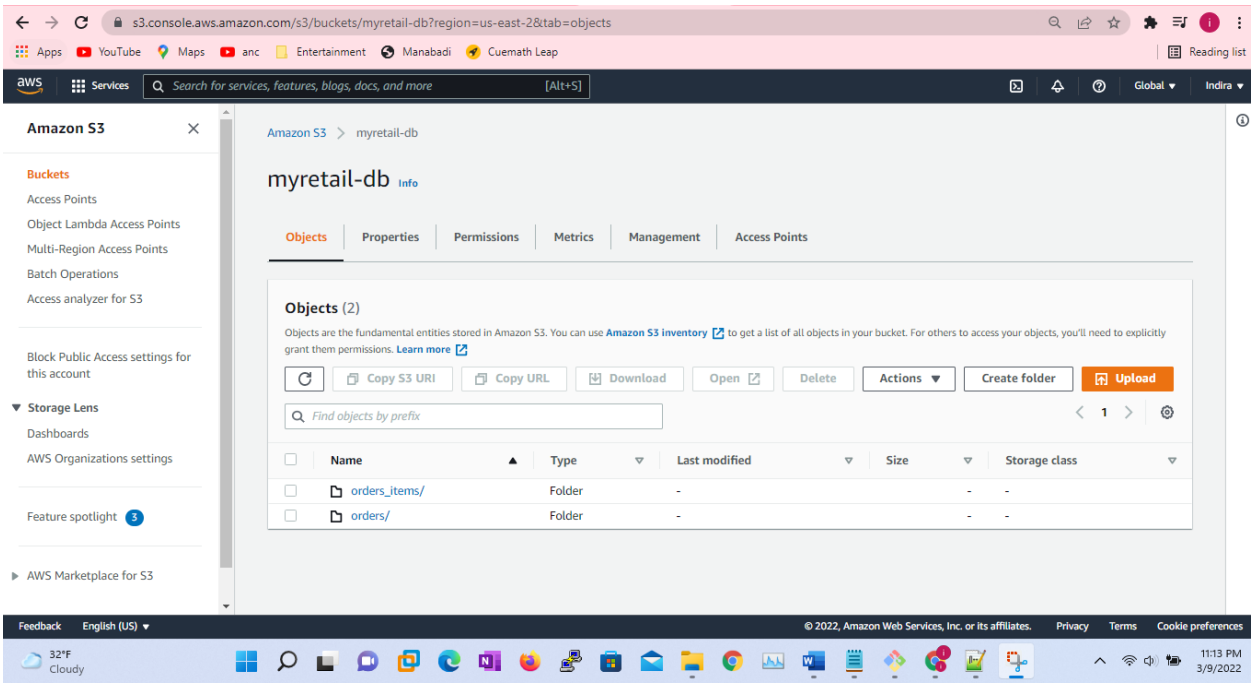


Using CTAS (CREATE TABLE AS SELECTED) to create table using Athena

Syntax: CREATE TABLE myreatil.order_items
AS
SELECT * FROM retail_db.order_items
SELECT count(*) FROM myreatil.order_items
SELECT count(*) FROM myreatil.order_items LIMIT 10

When it comes to CTAS to create table to stage the data into some location and then download it and take it further. By default it uses parquet file format to different file format.

```
CREATE TABLE myreatil.order_items
WITH(
    format = 'TEXTFILE',
    external_location = 's3://myretail-db/orders_items/',
    field_delimiter = ','
)
AS
SELECT * FROM retail_db.order_items
```



Created partitioned table using Athena

```
1  CREATE TABLE myreatil.orders_part(
2      order_id INT,
3      order_customer_id STRING,
4      order_date STRING,
5      order_status STRING
6  ) PARTITIONED BY ( order_month INT )
7   STORED AS parquet
8  LOCATION 's3://myretail-db/orders_items/'
9
10 SELECT count(*) FROM myreatil_orders
```

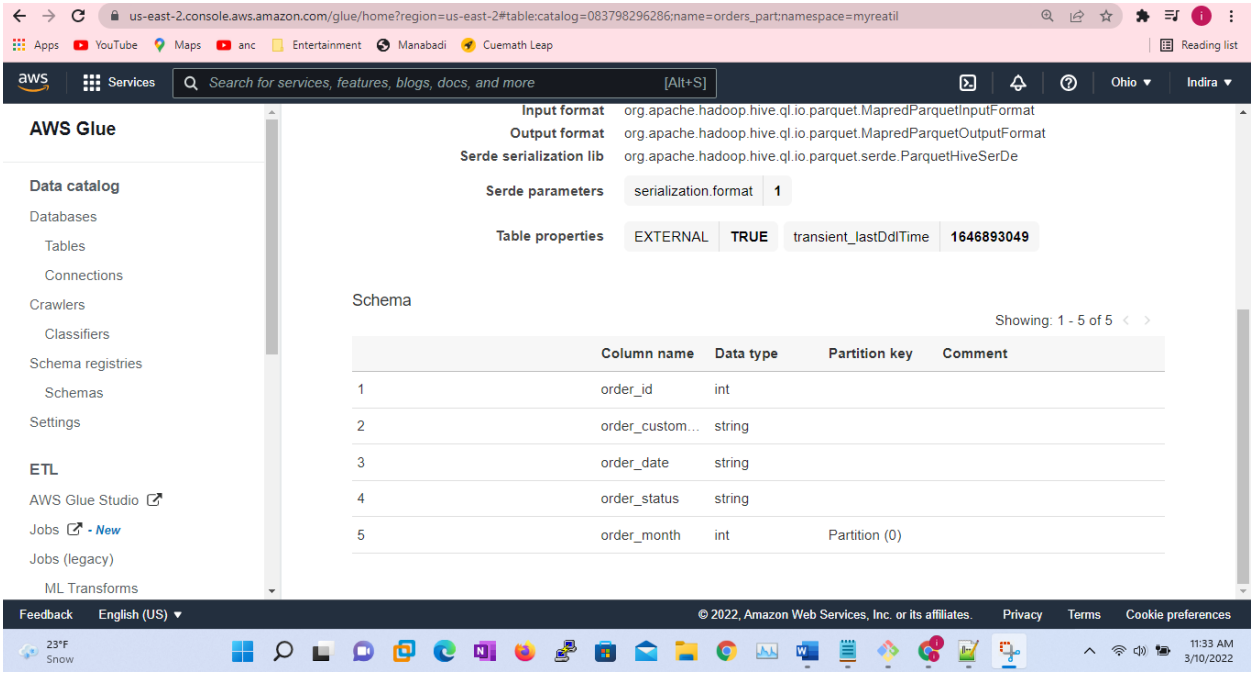
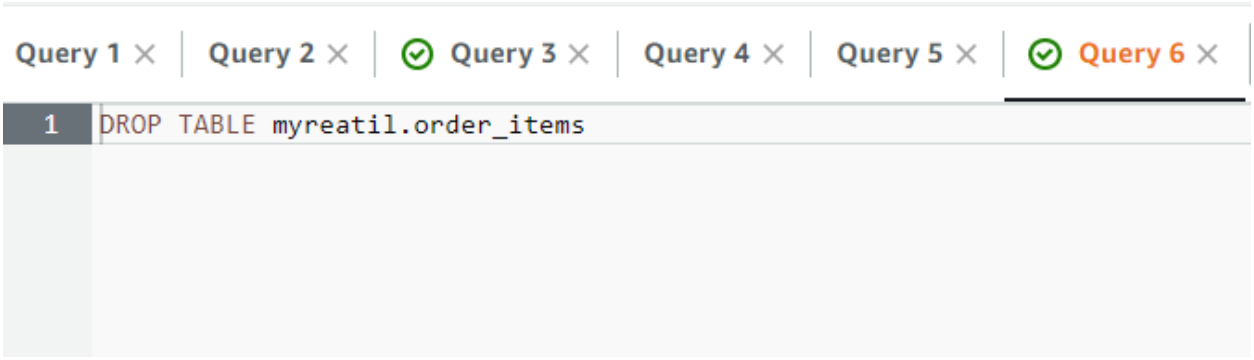


Figure 1Created the table Order_part with Order_month as partition

Drop the Table in Athena

To drop the table, we use DROP TABLE command:



To clean up the data use below command through AWS CLI

aws s3 rm s3://myretail-db/order_items --recursive

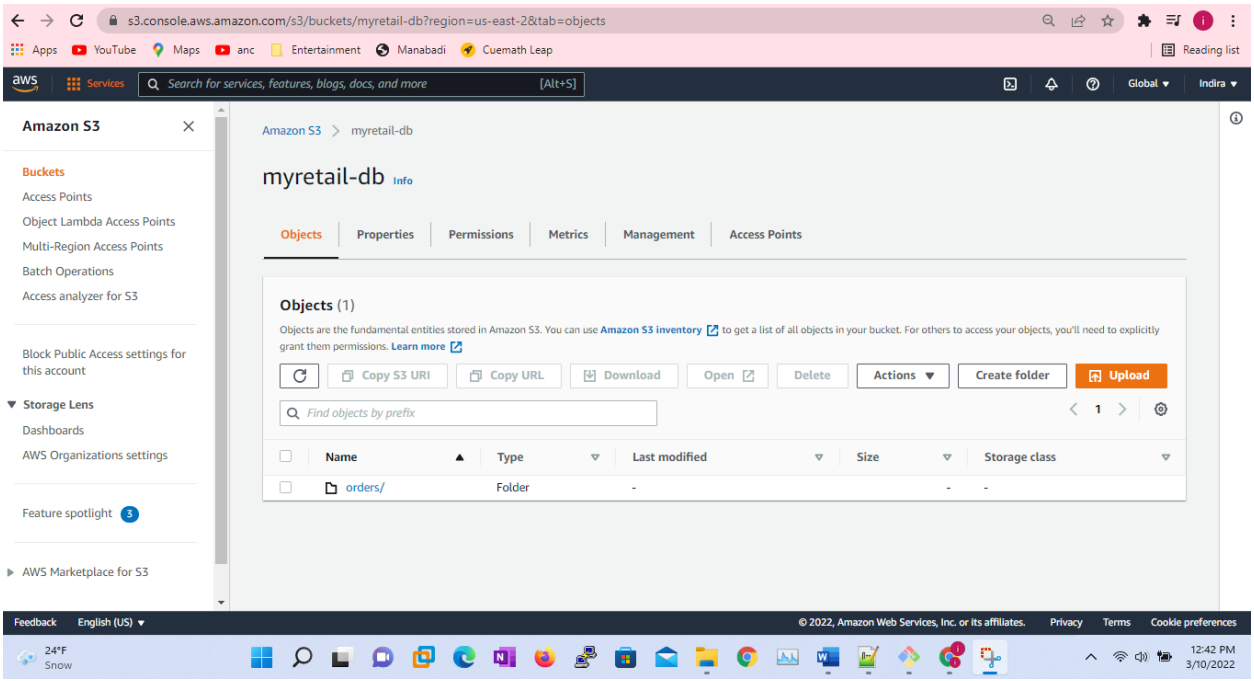


Figure 2Deleted the order_item in s3 bucket

Drop Partition table using Athena

Command: DROP TABLE myreatil.orders_part

Cleaning up the data in s3: s3://myretail-db/order_part --recursive