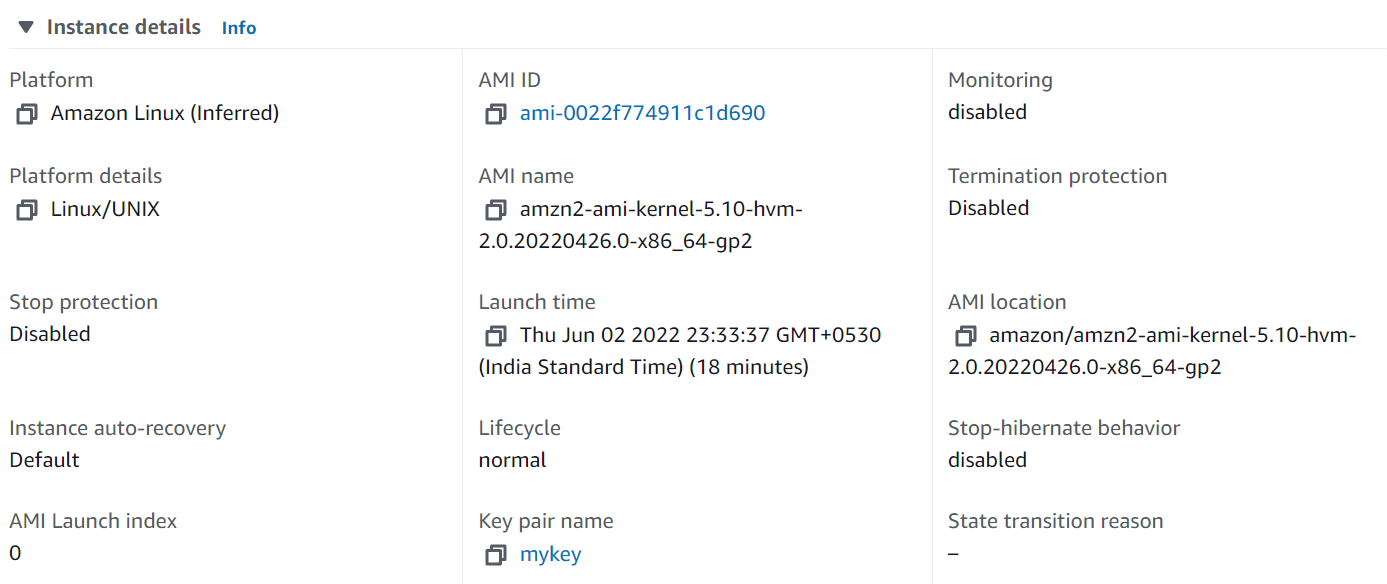
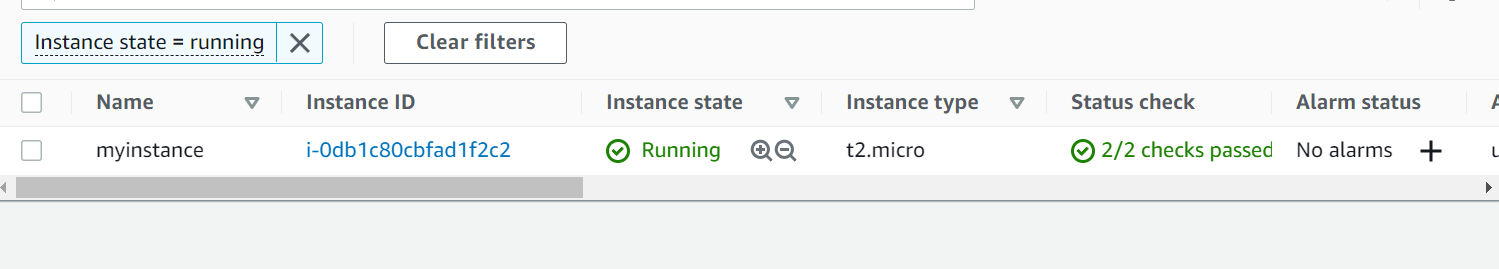
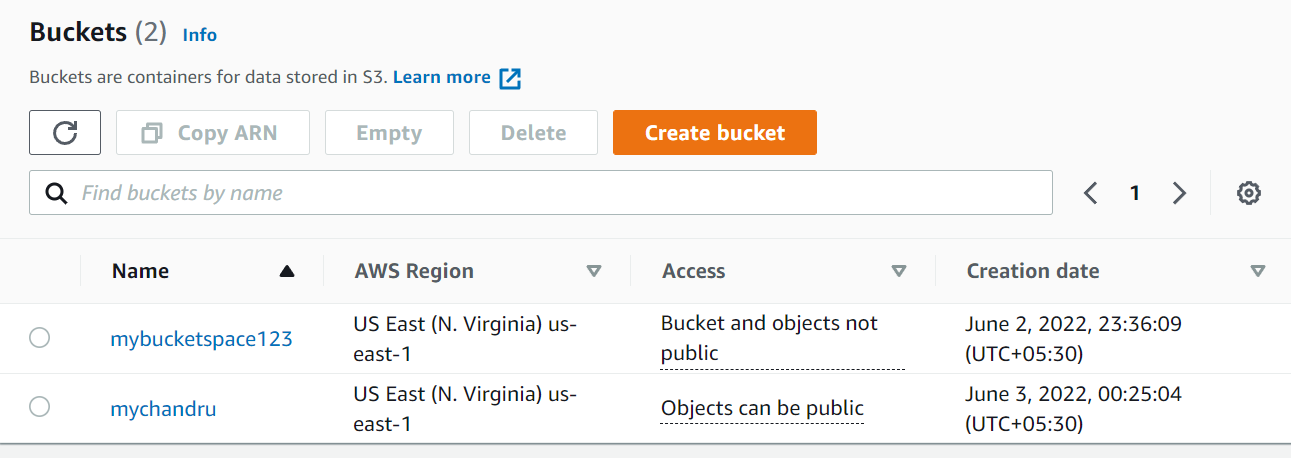
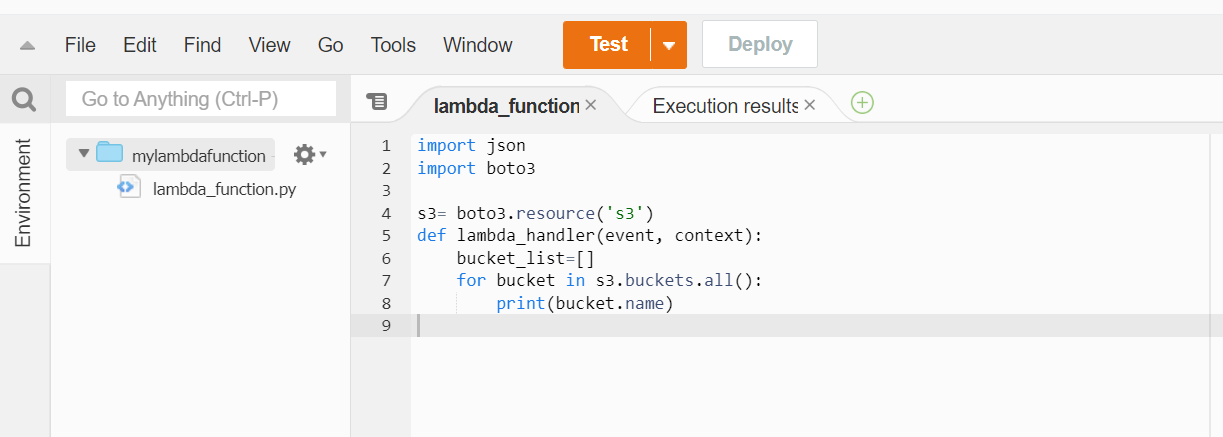
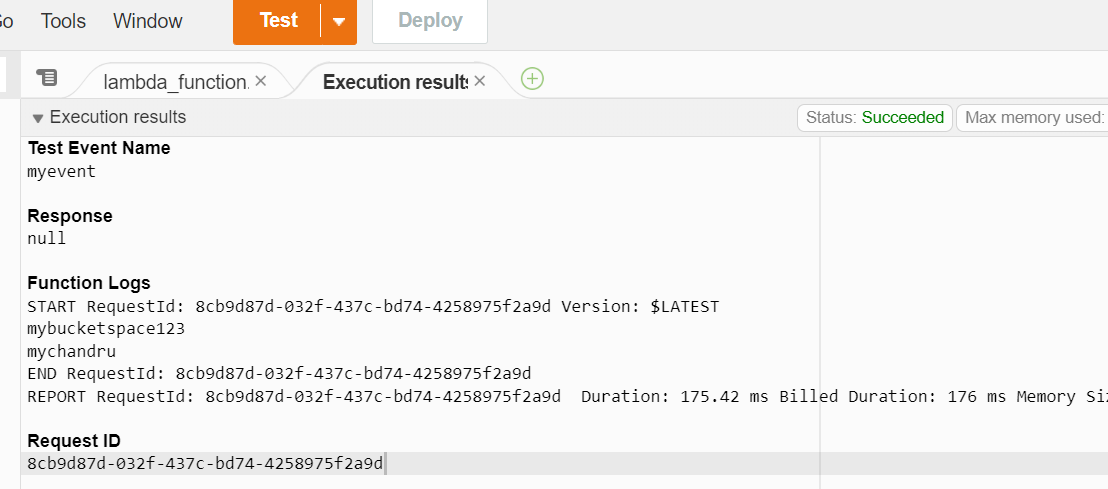
**Q 1: Create the EC2 instance and launch using linux OS**

****

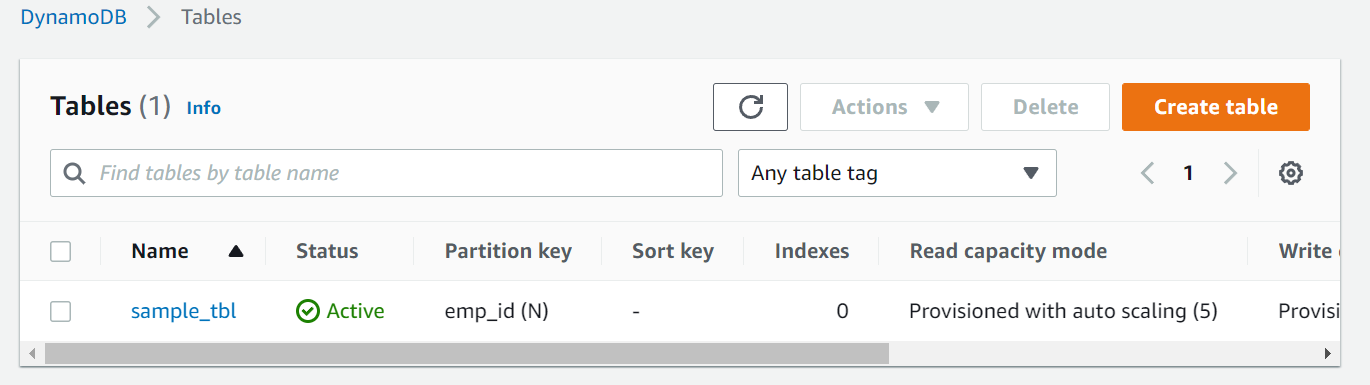
**Q 2: Display the S3 bucket details using lambda function**

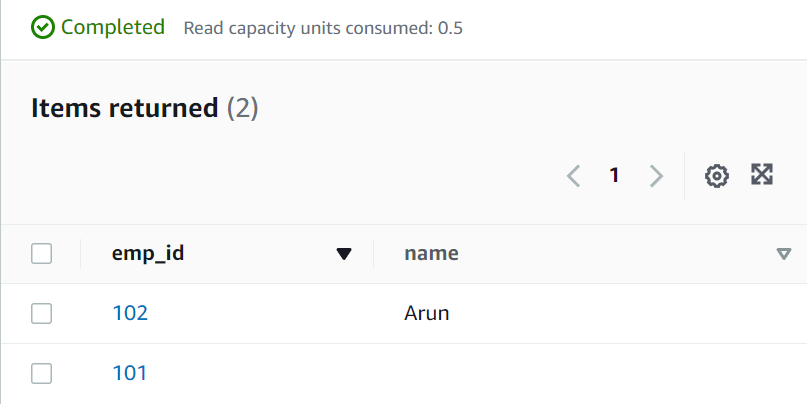
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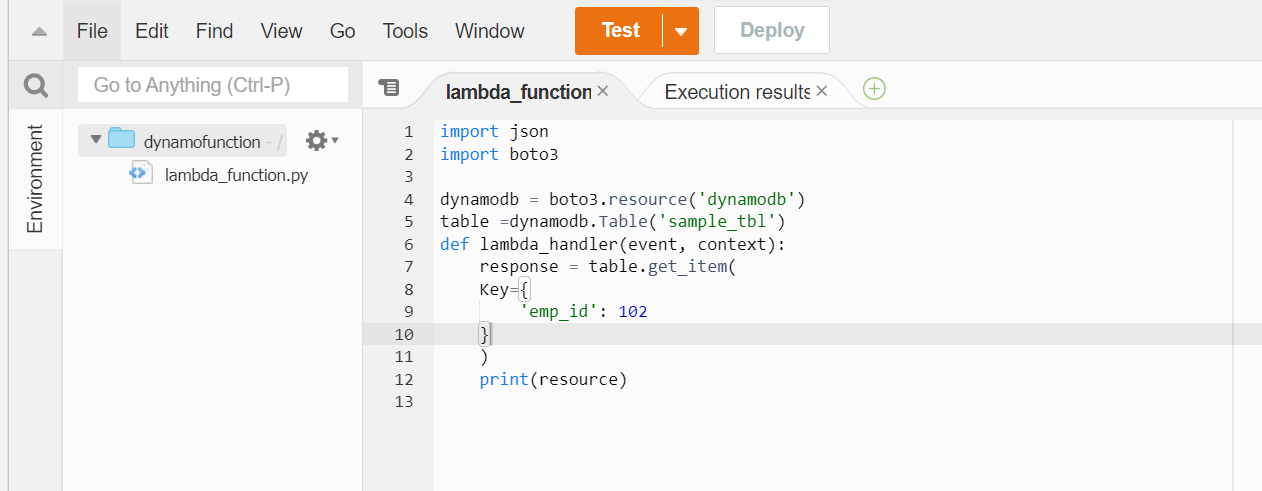
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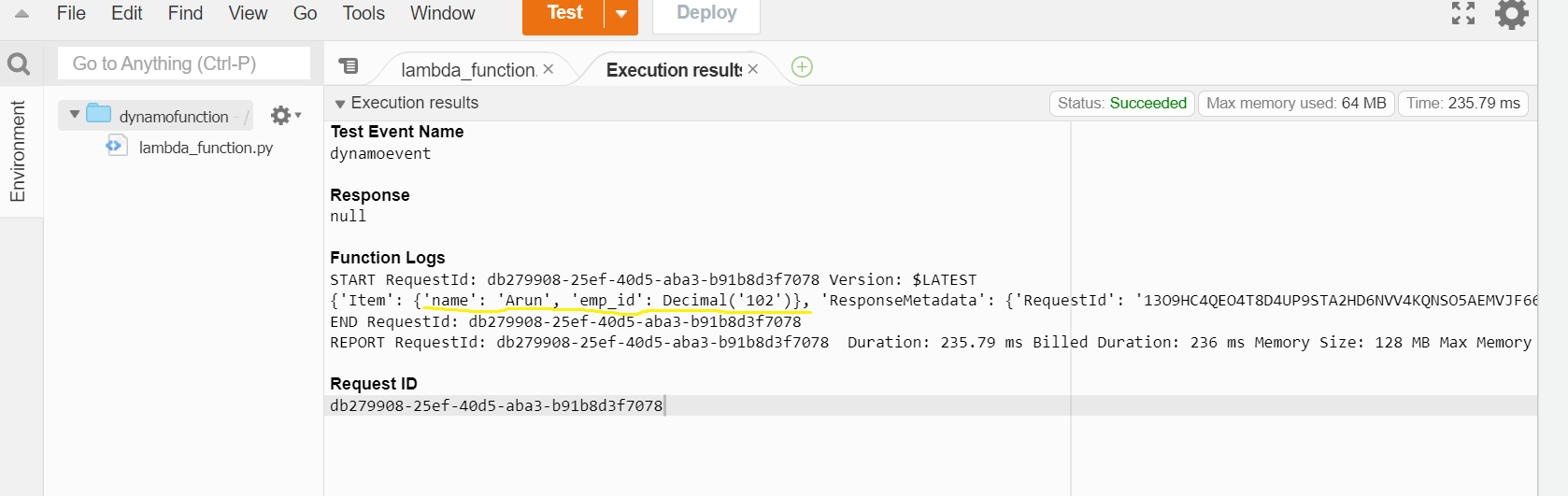
****

**Q3: Read the Dynamo DB data from Lambda function**

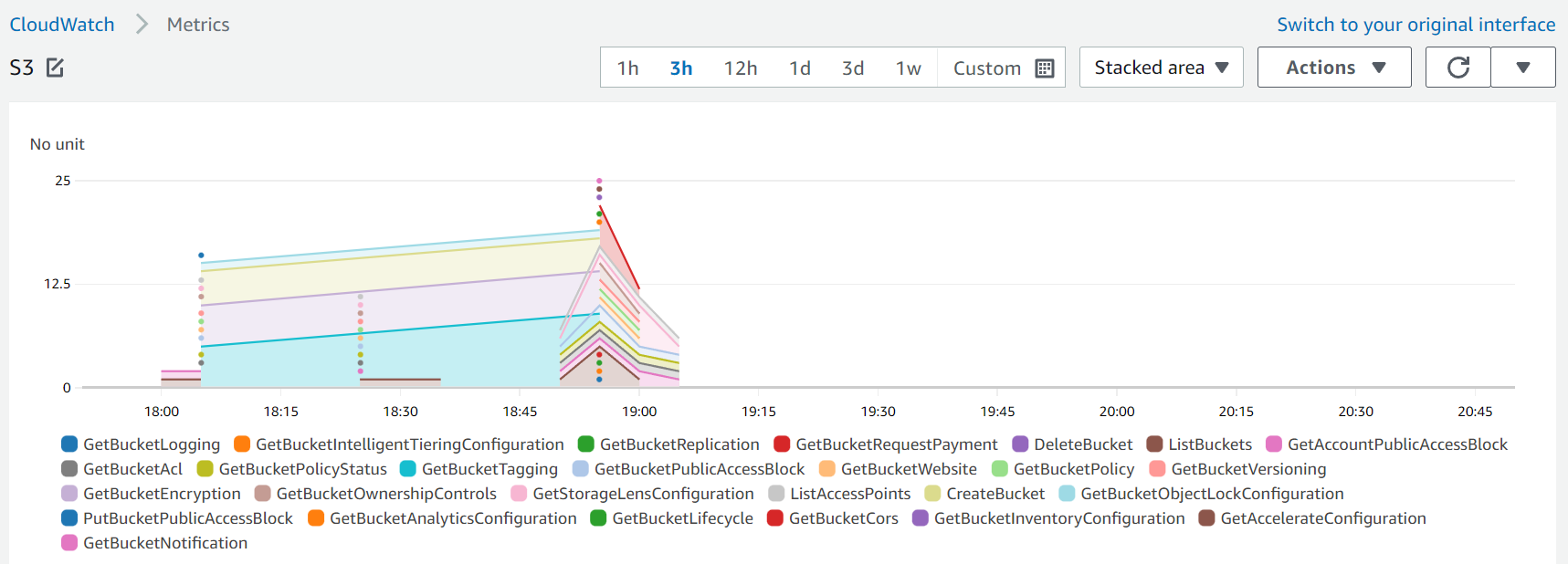
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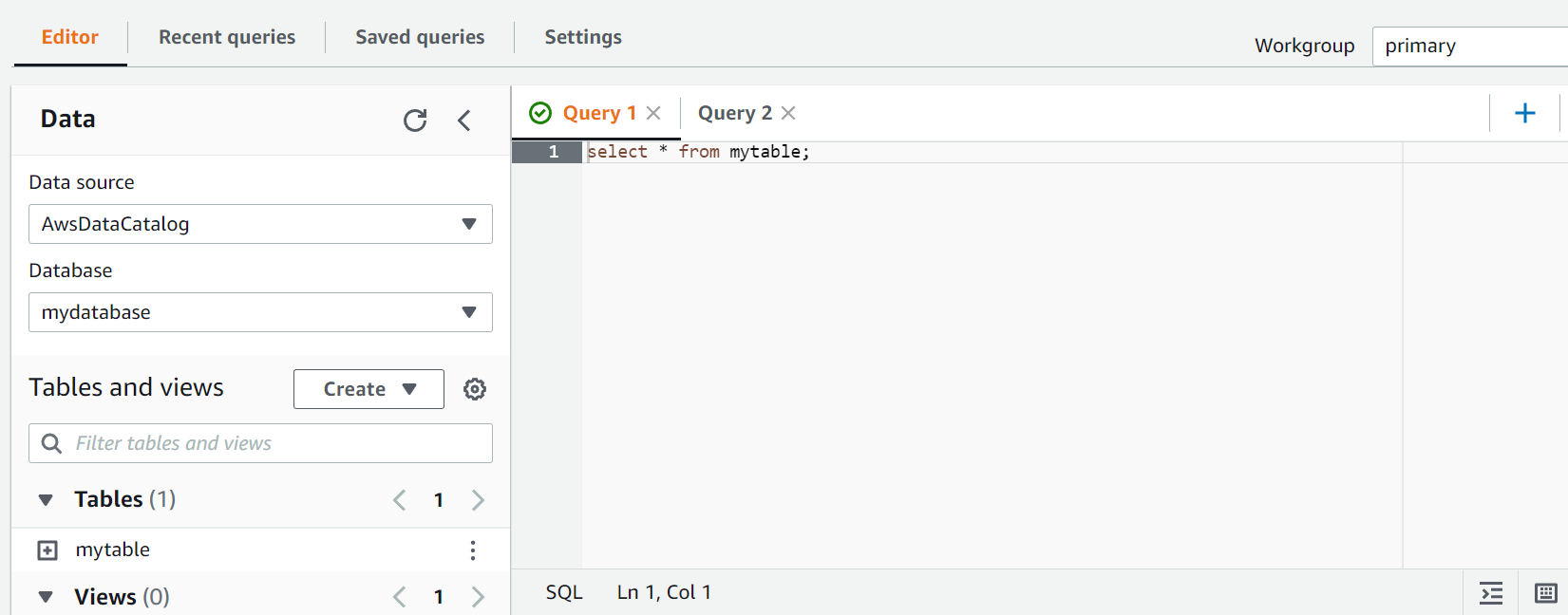
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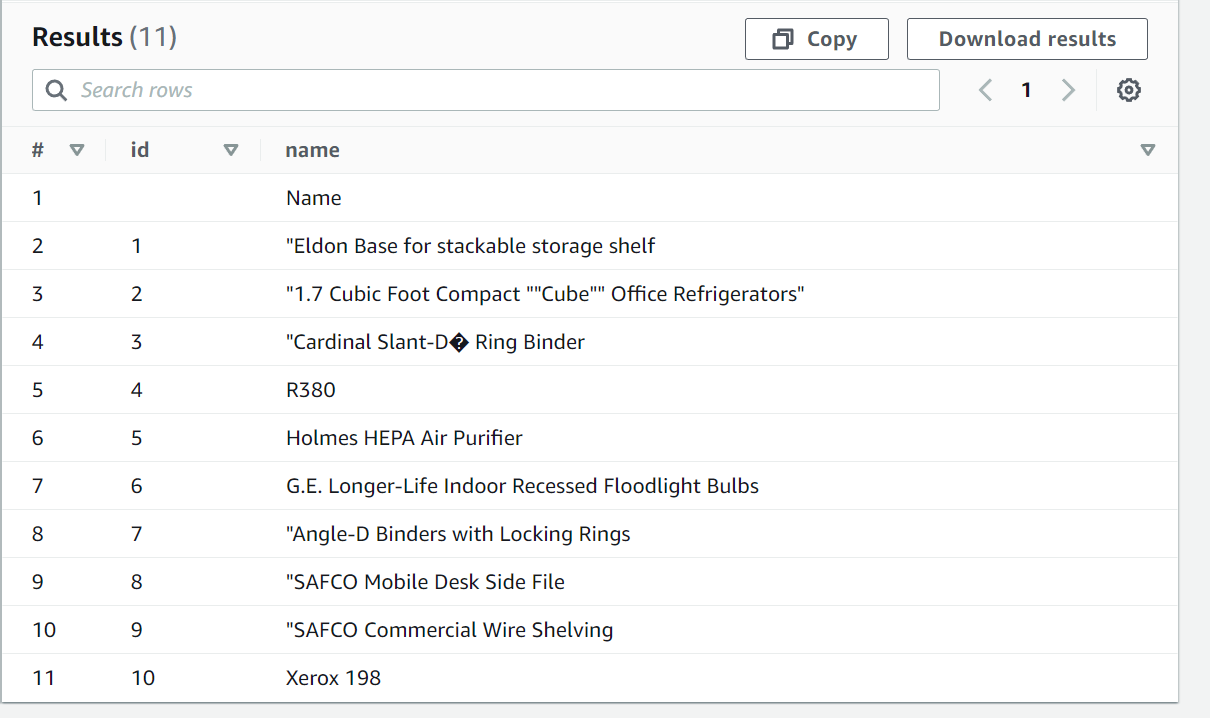
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**Q 4: Using Cloudwatch analyse the metrics of S3 objects**

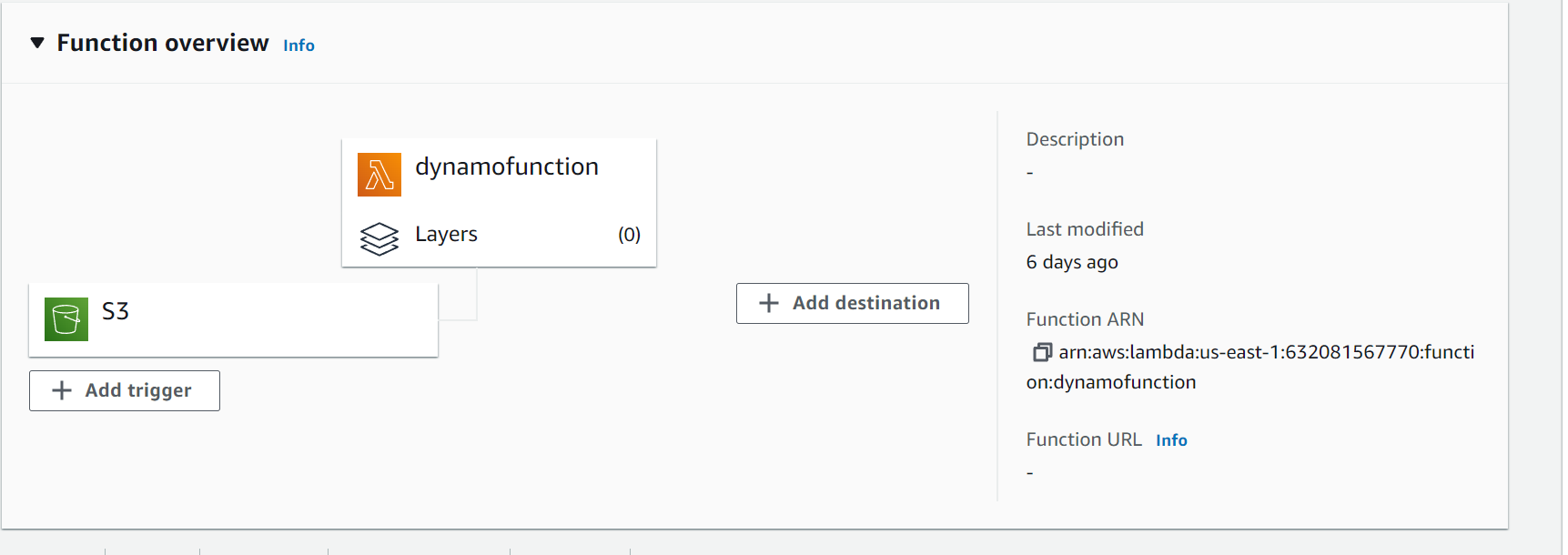
****

**Q 5: Perform the SQL operation using Athena for S3 objects**

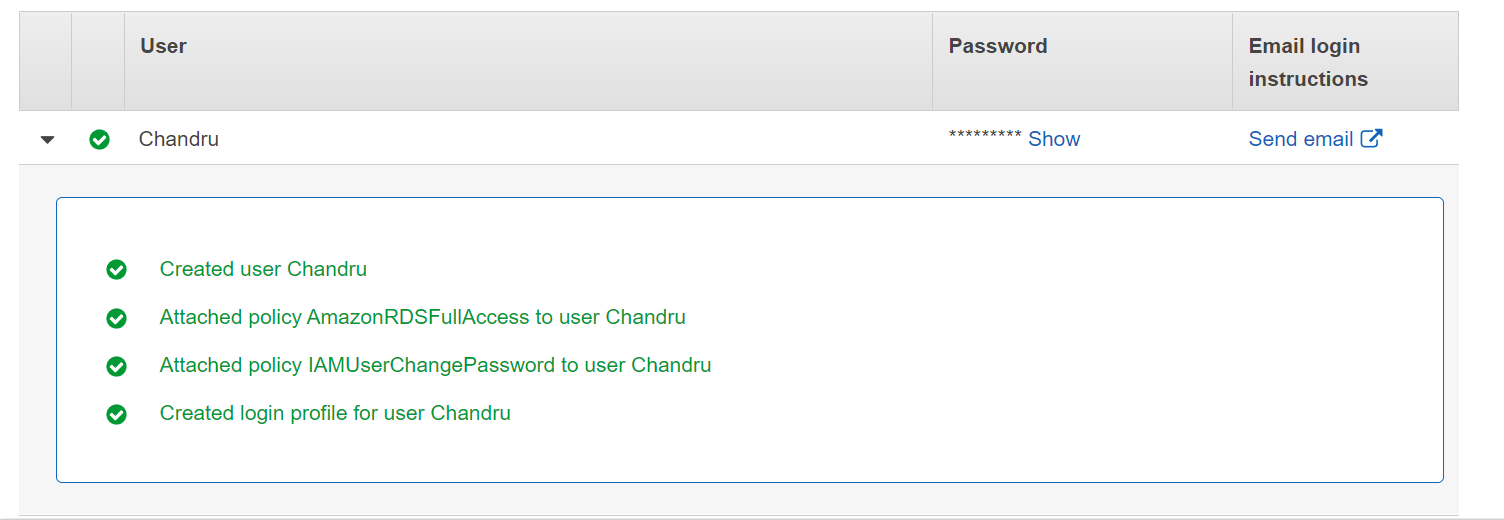
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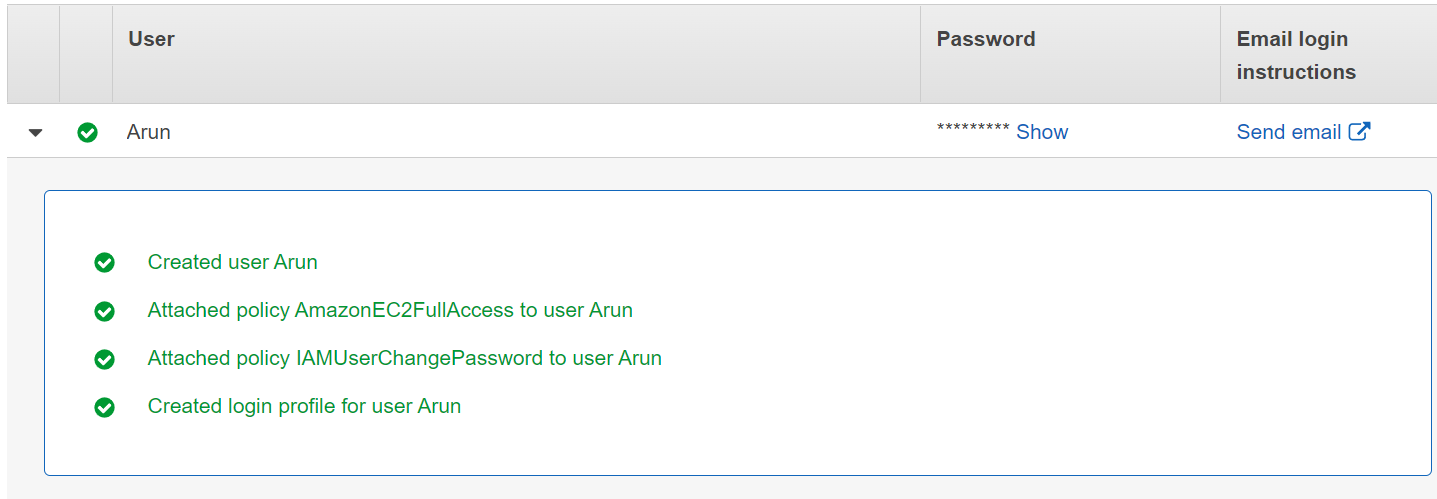
****

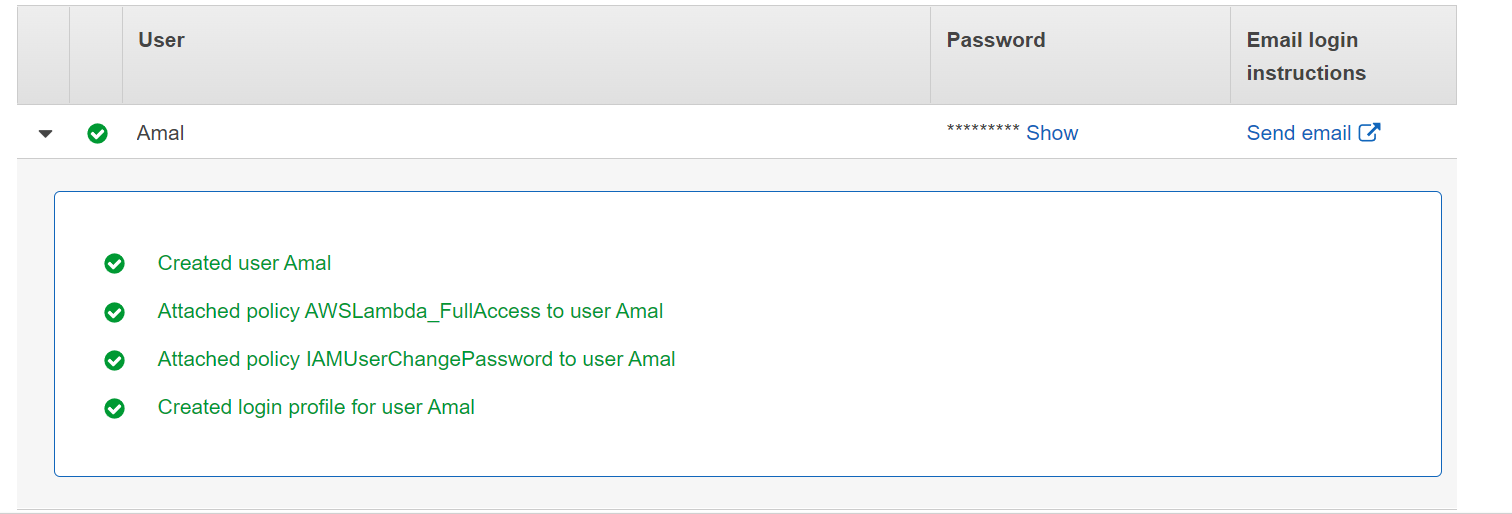
**Q6: Create the trigger for invoking the lambda function for pushing the object in S3**

****

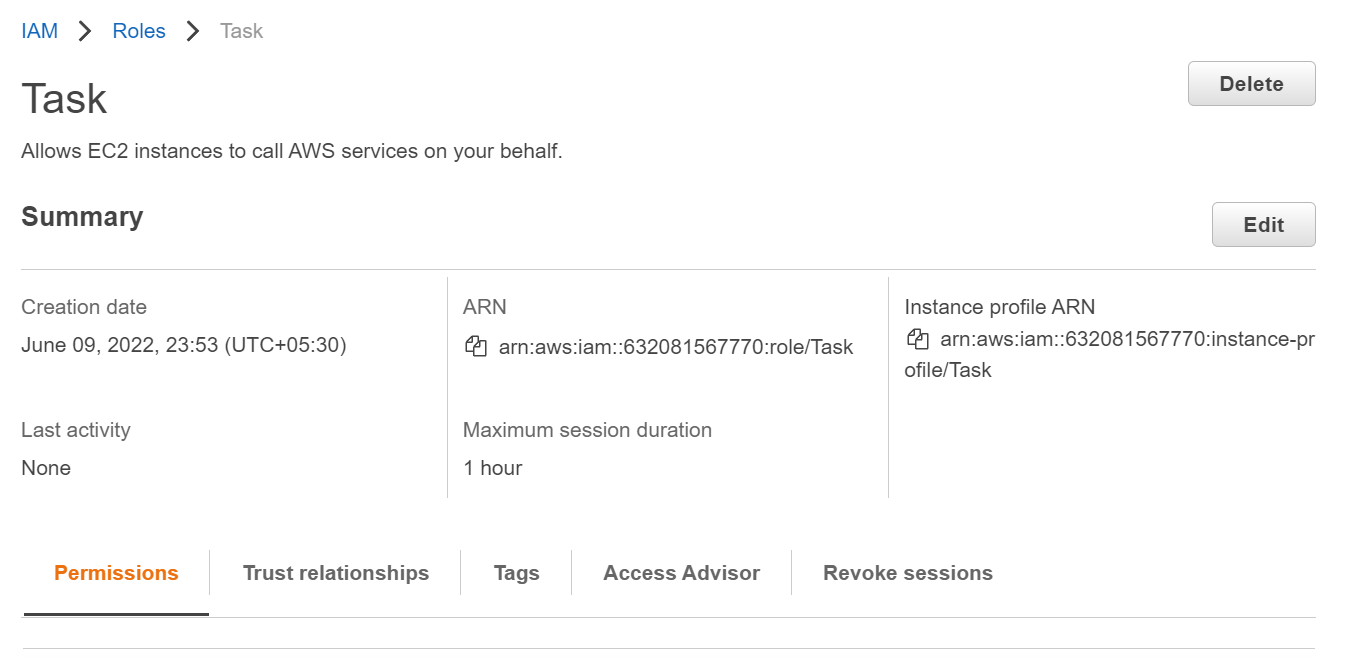
Q7 : Create 3 different user to access EC2, RDS and Lambda functions respectively

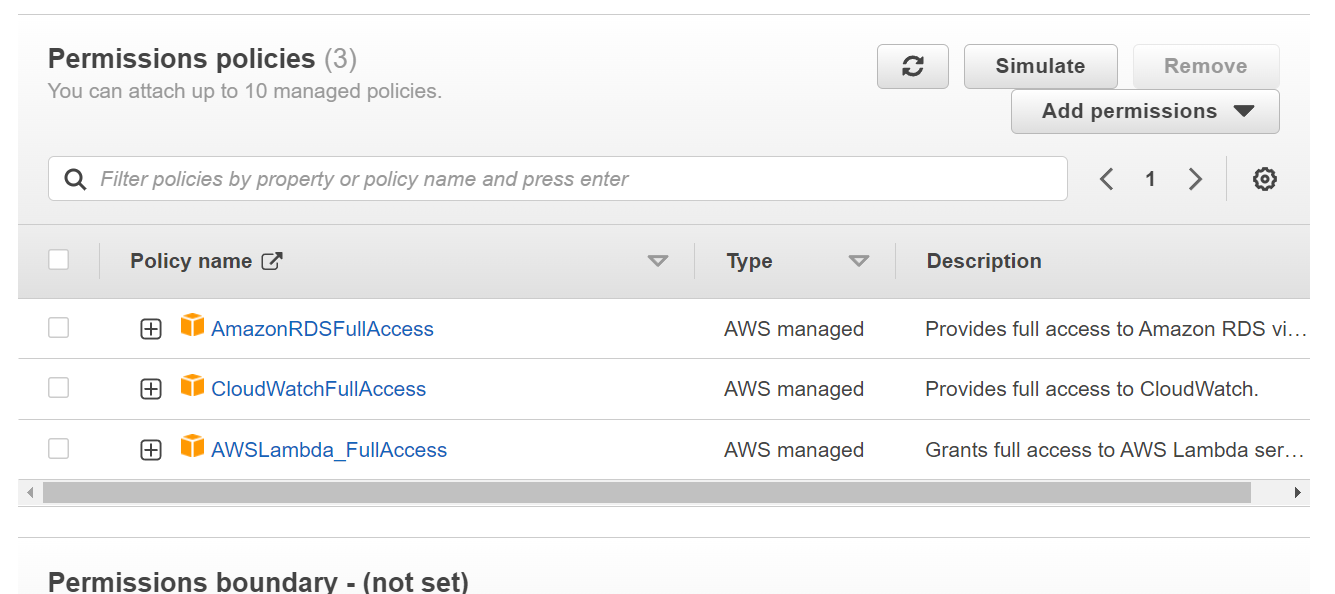




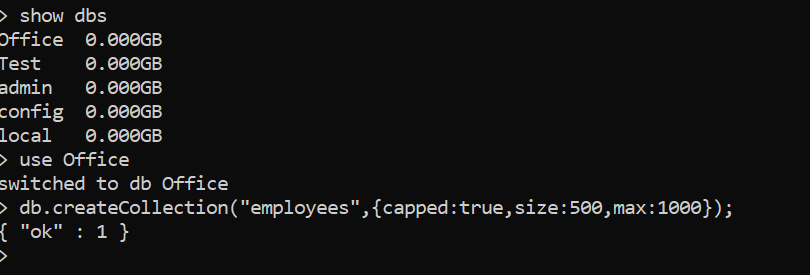


**Q 8: Create the roles to attach the policy of Cloudwatch , Lambda and RDS**

****

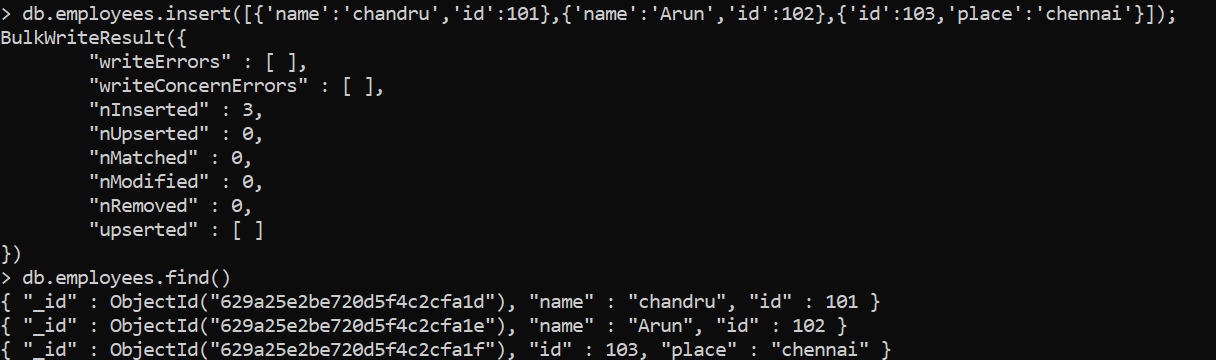
****

**Q 9:** **Set up the MongoDB and create the capped collection not beyond the 500 mb data**

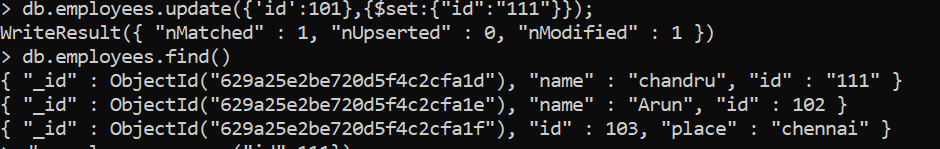
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**Q 10: Create the CRUD operation for Employee datamodel in MongoDB**

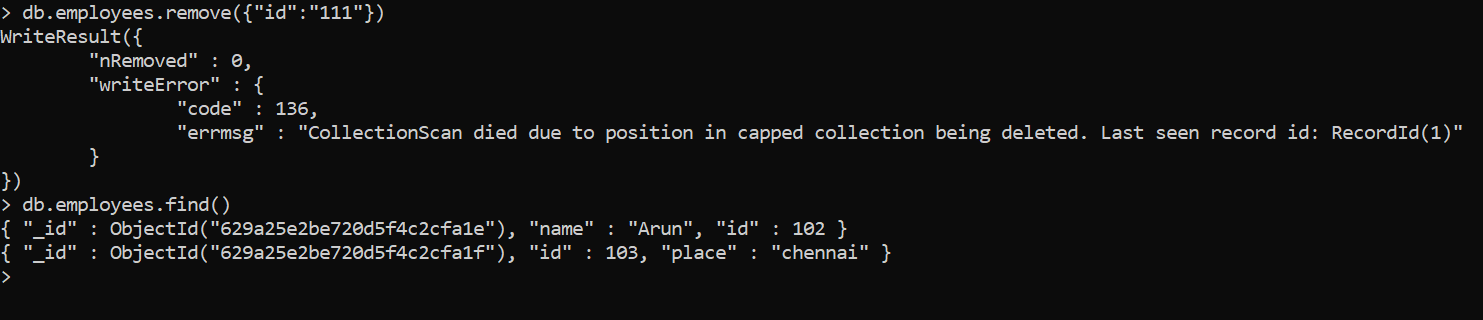
**Create and Read:**

****

**Update:**

****

**Delete:**

****

**Q 11: Create the view for Employee table which will hide the sensitive data using MySQL DB**

**#Table created**

create table if not exists employee(emp\_ID int not null primary key, Name varchar(30) not null,

DOB date,gender enum('male','female','other'),salary int);

**#Created view not to display salary**

create view employee\_details as select emp\_ID,Name,DOB,gender from employee;

**#viewing the data**

select \* from employee\_details



**Q 12: Create the table and load the CRUD operation using Relational database**

**#Table created**

create table if not exists employee(emp\_ID int not null primary key, Name varchar(30) not null,

DOB date,gender enum('male','female','other'),salary int);

**#CRUD**

**#Create**

insert into employee(emp\_ID,Name,DOB,gender,salary)

values(101,'Arun','1994-12-12','male',10000);

**#Read**

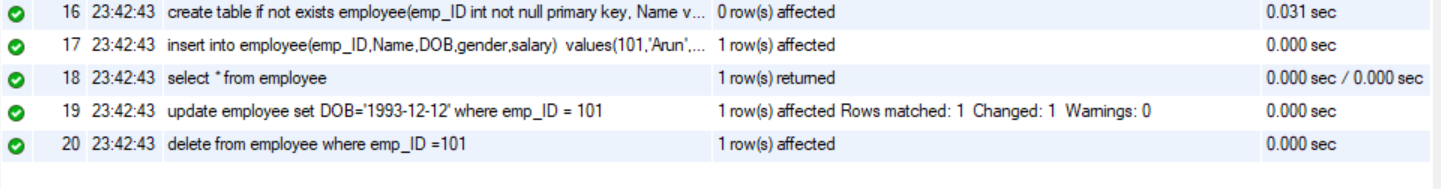
select \* from employee;

**#Upadate**

update employee set DOB='1993-12-12' where emp\_ID = 101;

**#Delete**

delete from employee where emp\_ID =101;



**Q 13: Using Python , create , insert and delete the record in Mysql DB**

import mysql.connector

conn = mysql.connector.connect(user='root', password='Welcome@2022', host='localhost', database='amazon')

a = conn.cursor()

sql="""create table if not exists employee(emp\_ID int not null primary key, Name varchar(30) not null,

DOB date,gender enum('male','female','other'),salary int)"""

a.execute(sql)

sql\_insert="""insert into employee(emp\_ID,Name,DOB,gender,salary)

values(101,'Ashok','1994-11-12','male',10000),(102,'Ashok','1994-11-12','male',10000)"""

a.execute(sql\_insert)

conn.commit()

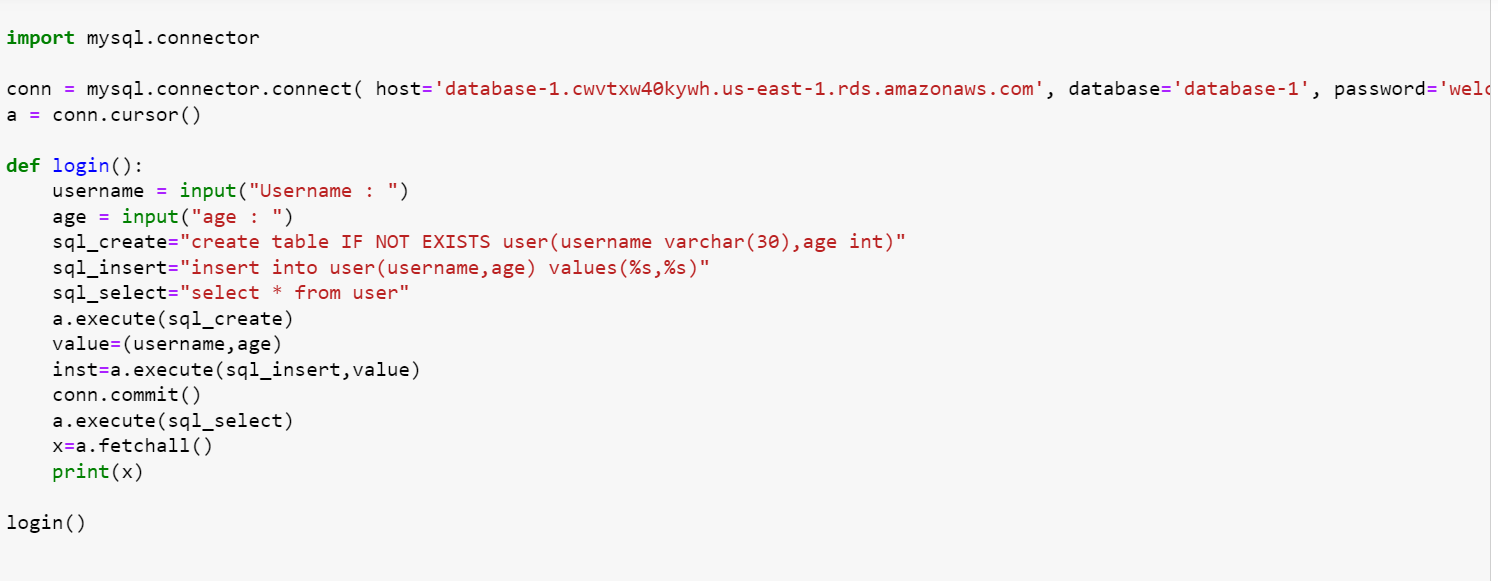
sql\_delete="delete from employee where emp\_ID =%s"

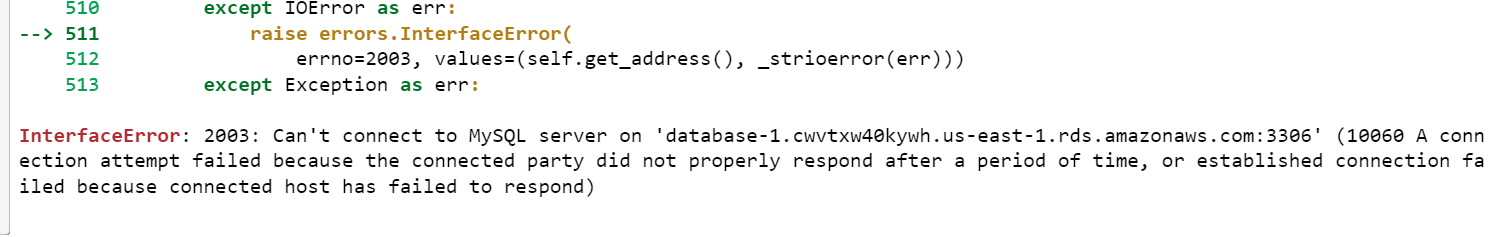
val = (102,)

a.execute(sql\_delete,val)

conn.commit()

**Q 14: Launch free tier DB in RDS and connect via python and create the table**





**Q 15: create 10 item in Dynamo DB**

