

DynamoDB Assignment

Objective

Write DynamoDB queries to understand basic CRUD operations in DynamoDB database.

Problem Statement

Create DynamoDB queries based on high level requirements

High Level Requirements

- Create a collection Products & insert the rows into the created collection as per below and using put-item

ProductID	Name	Brand	Quantity	Price
P001	Laptop	Dell	5	32000
P002	Tablet	Lenovo	7	15000
P003	Camera	Nikon	3	22000
P004	Smartphone	Samsung	8	25000
P005	Speaker	Bose	4	12000

- Query1 - Fetch the row from Products collection where ProductID=P003
- Query2 - Fetch the rows from Products collection where Price range between 10000 and 20000
- Query3 - Fetch the rows from Products collection where Quantity>5
- Query4 - Fetch the rows from Products collection where product name contains top as last three letters for its name.
- Query5 - Fetch the rows from Products collection where the price of the product is not greater than 20000
- Query6 - Write a DynamoDB query to arrange the name of the products in descending order along with all the columns.
- Query7 - Write a query to calculate the total sum of all products in Products collection.
- Query8 - Write a query to calculate the multiplication of Quantity & Price as Total and display along with all the columns.
- Query9 - Write a query to change the Price to 20000 where ProductID=P002
- Query10 - Write a query to delete the row from Products collection with Brand=Samsung

Duration: 1-2 hours

Flow of Modules

- Write all queries in the given `queries.json` file in Sequence and key names.
- Run test cases

Tech Stack

- MongoDB