# AWS DynamoDB

# DynamoDB

- Managed NoSQL database provided by AWS

- It is a highly scalable and reliable database

- DynamoDB organises data as tables

- The table is the top-level structure within DynamoDB

- Each table contains several items (rows) and each item has Keys and Attributes (columns)

- The tables in the DynamoDB are non relational and non schema based

- This means table joins are not supported at DB level

- The scope of a table is within a region

- Creating two tables with the same name in two different regions under the same account is possible.
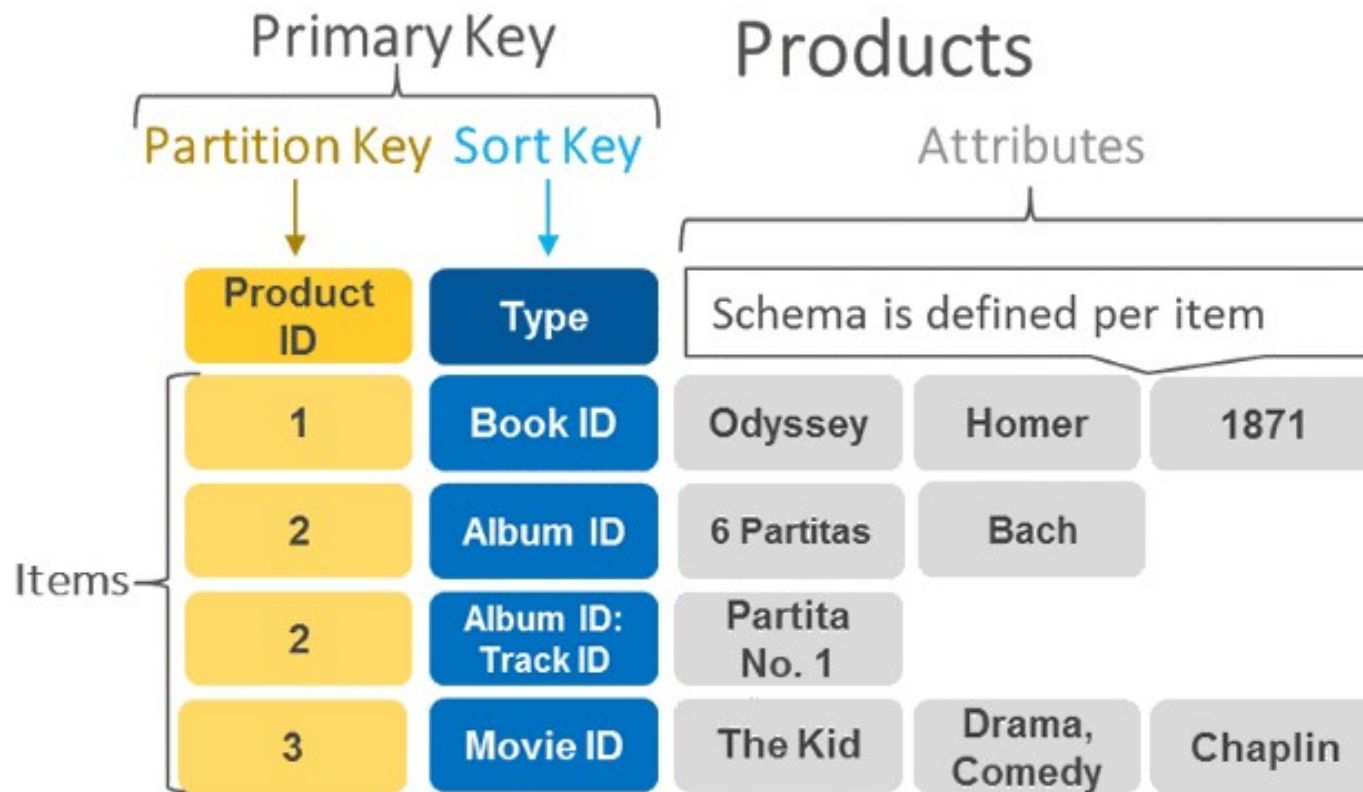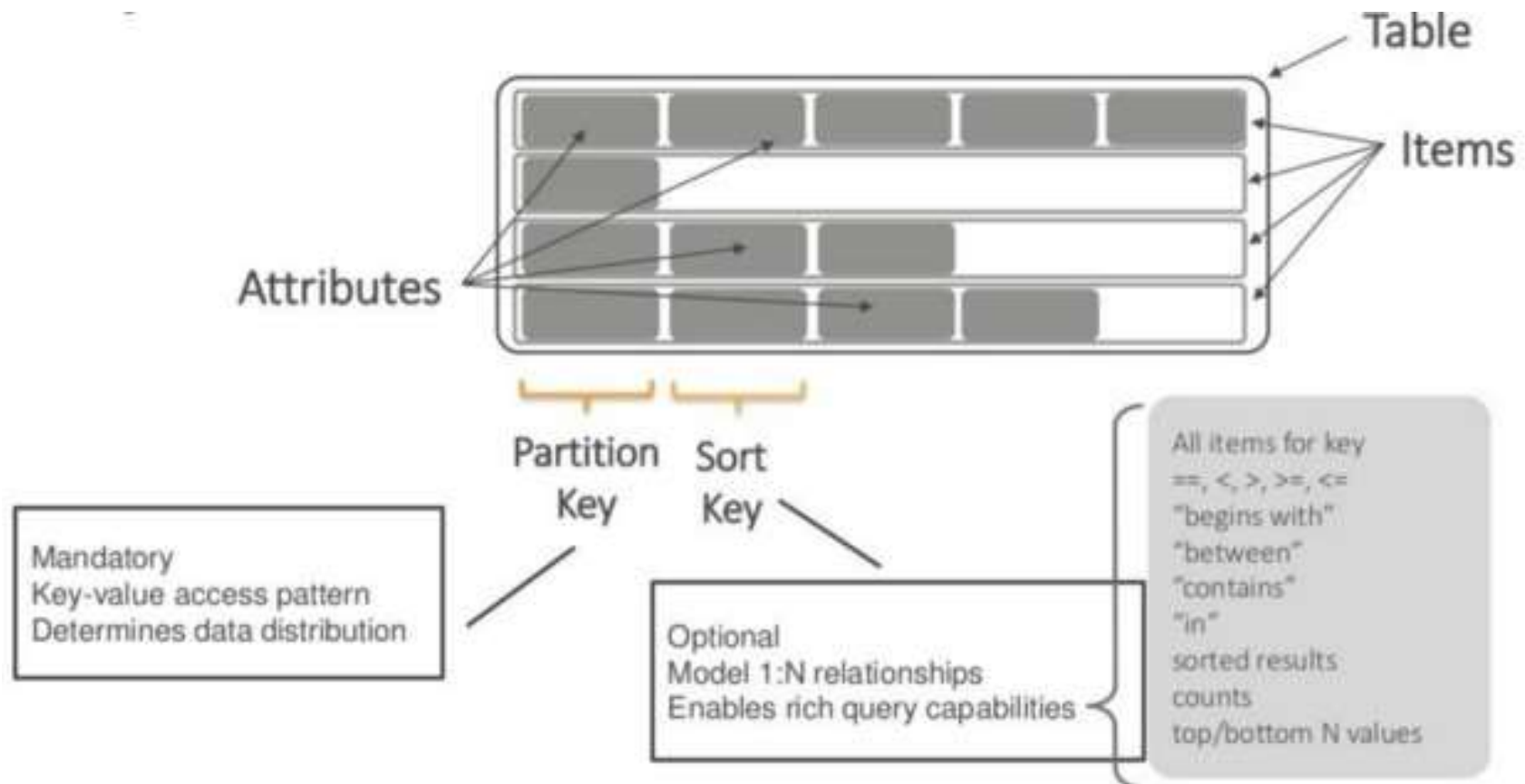
# Tables, Items, and Attributes

# Table Structure



**Table**

**Items**

**Attributes**

Partition Key — Sort Key

Mandatory
Key-value access pattern
Determines data distribution

Optional
Model 1:N relationships
Enables rich query capabilities

All items for key
==, <, >, >=, <=
"begins with"
"between"
"contains"
"in"
sorted results
counts
top/bottom N values

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# Thanks