Day 35 – 20/09/2025

Q1. In AWS CLI, how would you retrieve only the name and email fields of an item with primary key UserID = 123?

1. aws dynamodb get-item --table-name Users --key '{"UserID":{"S":"123"}}' --attributes 'name,email'
2. aws dynamodb scan --table-name Users --filter-expression 'UserID = :id' --projection-expression 'name,email'
3. **aws dynamodb get-item --table-name Users --key '{"UserID":{"S":"123"}}' --projection-expression "name,email".**
4. aws dynamodb fetch --table-name Users --key '{"UserID":"123"}' --fields name,email

Q2. What is a key advantage of using AWS SDK for interacting with DynamoDB over AWS CLI or Console?

1. The SDK bypasses IAM restrictions by using service-linked roles.
2. SDK supports only high-level batch operations and does not require explicit commands.
3. **SDK allows embedding retry logic, pagination handling, and structured data models into application logic.**
4. SDK operations are faster because they interact directly with the DynamoDB core engine, not via API endpoints.

Q3. When interacting with DynamoDB using AWS Console, how can a user filter data in a table view without writing queries?

1. Use the “Visual Query Builder” to design SQL-like filters dynamically.
2. Switch to JSON editor and apply scan expressions manually.
3. **Apply client-side filters using attribute filters under the “Explore Table Items” tab.**
4. Enable DynamoDB Streams and subscribe to item change logs.

Q4.