

DynamoDB Assignment: -

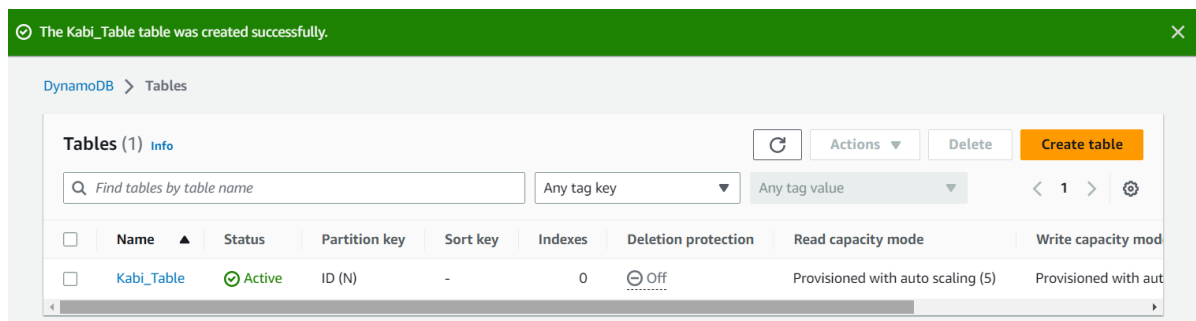
Problem Statement:

You work for XYZ Corporation. Their application requires a database service that can store data which can be retrieved if required. Implement a suitable service for the same. While migrating, you are asked to perform the following tasks:

1. Create a DynamoDB table with partition key as ID.
2. Add 5 items to the DynamoDB table.
3. Take backup and delete the table.

Procedure: -

- Sign in to the AWS Management Console and navigate to the DynamoDB service.
- Click on "Create table."
- Enter the desired table name, such as "Kabi_Table".
- Specify "ID" as the partition key attribute name.
- Choose the data type for the partition key, such as "Number."
- Configure any other optional settings, such as read/write capacity units and encryption.
- Click on "Create."



- Now select your table and click on "actions" and select "create item."
- Give the value of partion key example 01.
- Now you can instert the item my clicking on add "Add new attribute" and choosing the datatype.
- Click on "create item."

The screenshot shows the "Create item" form in the AWS DynamoDB console. The form is titled "Create item" and has a "Form" tab selected. It shows the "Attributes" section with a table for adding new attributes. The attributes are:

Attribute name	Value	Type	
ID - Partition key	01	Number	
Name	Apple	String	Remove
isEdible	<input checked="" type="radio"/> True <input type="radio"/> False	Boolean	Remove

At the bottom, there are "Cancel" and "Create item" buttons.

- Therefore, one item is created. In the same manner we have to create the other items in the table.

The screenshot shows the AWS Management Console interface for DynamoDB. On the left is a navigation menu with options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings, DAX, Clusters, Subnet groups, Parameter groups, and Events. The main area displays the 'Items returned (5)' for the table 'Kabi_Table'. A table lists the items with columns: ID, Cautious, isEditable, and Name. The items are: ID 5 (Alovera), ID 4 (Rose), ID 3 (papaya), ID 2 (Table), and ID 1 (Apple). Above the table, there are buttons for 'Run' and 'Reset', and a green notification bar stating 'Completed. Read capacity units consumed: 0.5'.

- To delete the table, select the table and click on delete, on the pop-up window you will see "Create an on-demand backup of Kabi_Table before deletion."
- Click that check box and delete the table.

The screenshot shows the 'Delete table' confirmation dialog in the AWS Management Console. The dialog title is 'Delete table'. The main text asks: 'Delete table **Kabi_Table** in **US East (N. Virginia)** permanently? This action cannot be undone.' Below this is a warning box with a red triangle icon and the text: 'Proceeding with this action will delete the table and you won't be able to retrieve this data.' There are two checked options: 'Delete all CloudWatch alarms for **Kabi_Table**.' and 'Create an on-demand backup of **Kabi_Table** before deletion.' The second option has a subtext: 'You can create an on-demand backup of your table for long-term retention and data archiving. You can then use this backup to restore your data to its exact state before table deletion. Additional charges apply for on-demand backup and restore. For more information see [Pricing](#).' Below the options, it says: 'To avoid unintentional deletions, we ask you to provide additional confirmation. Enter "confirm" to agree.' There is a text input field containing the word 'confirm'. At the bottom right are two buttons: 'Cancel' and 'Delete'.

- To see the back ups of the table you need to click on backups. There you will find the table and you can restore the table from there.

The screenshot shows the AWS Management Console for DynamoDB Backups. The left sidebar contains navigation links for Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups (selected), Exports to S3, Imports from S3, Reserved capacity, and Settings. The main content area is titled 'Backups' and includes a 'Backup settings' section with a 'Turn off' button. Below this, there's a section for 'Backups (1/1)' with a search bar and a table of backup jobs.

	Name	Table	Status	Creation time	ARN	Size
<input checked="" type="checkbox"/>	Kabi_Table_backup	Kabi_Table	Available	July 15, 2023, 2...	arn:aws:dynamodb:us-e...	0 bytes

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