

# DynamoDB Assignment

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## 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.

Tasks:

**Create a DynamoDB table with partition key as ID.**

**Add 5 items to the table.**

**Take backup and delete the table.**

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## Step 1: Create a DynamoDB Table

Sign in to AWS Console → DynamoDB → Tables → Create table

Enter the following:

**Table name:** dynamo-table

**Partition key:** student-id

Type: **String**

**Sort key:** leave empty

Leave default settings (on-demand capacity, encryption enabled)

Click **Create table**

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The screenshot shows the AWS DynamoDB 'Tables' page. At the top, a green success message box displays: 'The dynamo-table table was created successfully.' Below this, the main table header includes columns for Name, Status, Partition key, Sort key, Indexes, Replication Regions, Deletion protection, Favorite, and Read capacity. A single table entry is listed: 'dynamo-table' (Status: Active, Partition key: student-id (\$), Sort key: -, Indexes: 0, Replication Regions: 0, Deletion protection: Off, Favorite: star icon, Read capacity: On-demand). The table has a total size of 0. The interface also features standard AWS navigation elements like 'Actions', 'Delete', and 'Create table' buttons, along with search and filter tools.

## Step 2: Add 5 Items to the Table

Go to your table → Explore items → Create item

Add 5 items with unique ID values, e.g.:

ID	Name	Department
1	Vikram	IT
2	Mahesh	HR
3	Uday	Finance
4	Tony	Marketing
5	Mahendr	Sales

Click Save after adding each item

Verify all 5 items are visible in **Explore items**

The screenshot shows the AWS DynamoDB 'Explore items' interface for a table named 'dynamo-table'. At the top, there's a 'Run' button and a 'Reset' button. Below that is a green notification bar stating 'Completed - Items returned: 1 - Items scanned: 1 - Efficiency: 100% - RCUs consumed: 3.5'. The main area displays a table titled 'Table: dynamo-table - Items returned (5)'. The table has columns for student-id (String), mahendr, mahesh, tony, UDAY, and vikram. The data rows are as follows:

student-id	mahendr	mahesh	tony	UDAY	vikram
5		sales			
4			marketing		
3				finance	
2			HR		
1					IT

At the bottom of the table, there are navigation arrows and a refresh icon.

## Step 3: Take Backup of the Table

Go to Backups → Create backup

Enter Backup name: dynamo-backup

Click Create backup

Wait until the backup status shows Completed

Create on-demand backup

Create a one-time snapshot backup of your table. Schedule automatic backups of your table in AWS Backup [AWS Backup]

**Source table** [Info](#)

Source table  [X](#) [G](#)

**Backup settings** [Info](#)

Default settings  
Create a backup that stays in warm storage.

Customize settings  
Create a backup that can transition to cold storage and be deleted as it ages.

**Backup management** [Info](#)

Backup with AWS Backup  
Creates a backup with AWS Backup encryption and ARN. Includes options for cross-Region and cross-account copy, tags and cold storage.

Backup with DynamoDB  
Creates a backup with DynamoDB encryption and ARN. Additional features not supported.

**Backup name**  
This will be used to identify your backup.

Between 3 and 255 characters in length. Only A-Z, a-z, 0-9, underscore characters, hyphens, and periods are allowed.

## Backups [Info](#)

### Backup settings [Info](#)

Settings apply to new backups in this account and Region.

[Turn off](#)

#### Advanced features with AWS Backup

[Activated](#)

Allow options for cross-Region and cross-account copy, cost allocation tags, and cold storage tiering for backups.

### Backups (1) [Info](#)



[View details](#)

[Restore](#)

[Copy](#)

[Delete](#)

[Create backup ▾](#)

Schedule automatic backups [AWS Backup] and [view backup job details](#) [AWS Backup]

Find backups by ARN or name

< 1 >

<input type="checkbox"/>	Name	Table	Status	Creation time	ARN	Size	Type
<input type="checkbox"/>	<a href="#">dynamo-backup</a>	dynamo-table	Available	October 18, 2025, 16:34:18 (UTC+05:30)	arn:aws:dynamodb:us-east-1:123456789012:table/dynamo-table	0 bytes	USER

## Step 4: Delete the Table

Go to your table → Actions → Delete table

Confirm by typing the table name dynamo-table

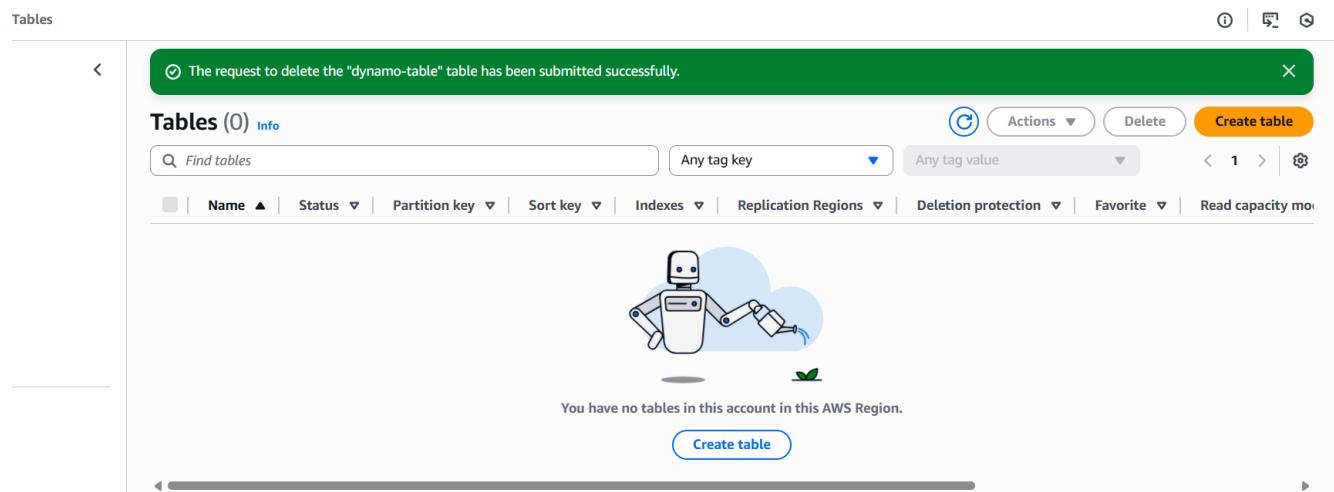
Click Delete

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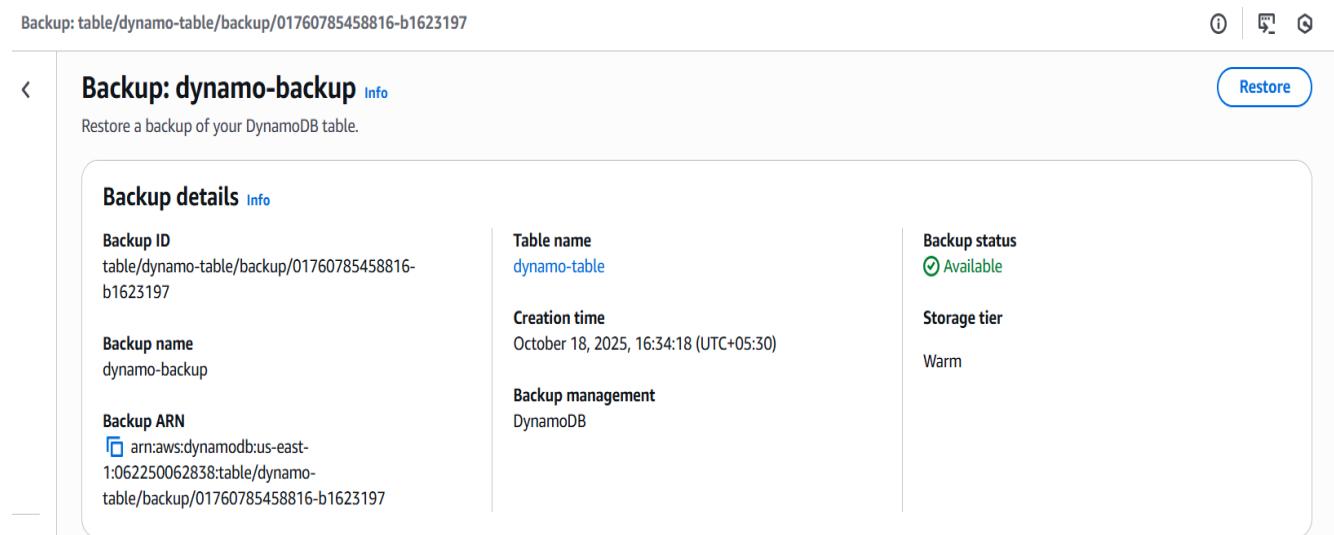
## Step 5: Verification

DynamoDB table no longer exists in the **Tables** list

Backup can be found under **Backups** tab → dynamo-backup



The screenshot shows the AWS DynamoDB 'Tables' page. A green success message at the top states: 'The request to delete the "dynamo-table" table has been submitted successfully.' Below this, the table list header includes 'Tables (0)' and 'Info' buttons, along with filters for 'Find tables', 'Any tag key', 'Any tag value', and other search options. A large, friendly robot icon is centered on the page, and the text 'You have no tables in this account in this AWS Region.' is displayed below it. At the bottom, there is a 'Create table' button.



The screenshot shows the AWS DynamoDB 'Backups' page. It displays a single backup entry for 'dynamo-backup'. The backup details include:

Backup details		
<b>Backup ID</b> table/dynamo-table/backup/01760785458816-b1623197	<b>Table name</b> dynamo-table	<b>Backup status</b> Available
<b>Backup name</b> dynamo-backup	<b>Creation time</b> October 18, 2025, 16:34:18 (UTC+05:30)	<b>Storage tier</b> Warm
<b>Backup ARN</b> arn:aws:dynamodb:us-east-1:062250062838:table/dynamo-table/backup/01760785458816-b1623197	<b>Backup management</b> DynamoDB	