

# DynamoDB Assignment

**Name:** Vikram

## 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

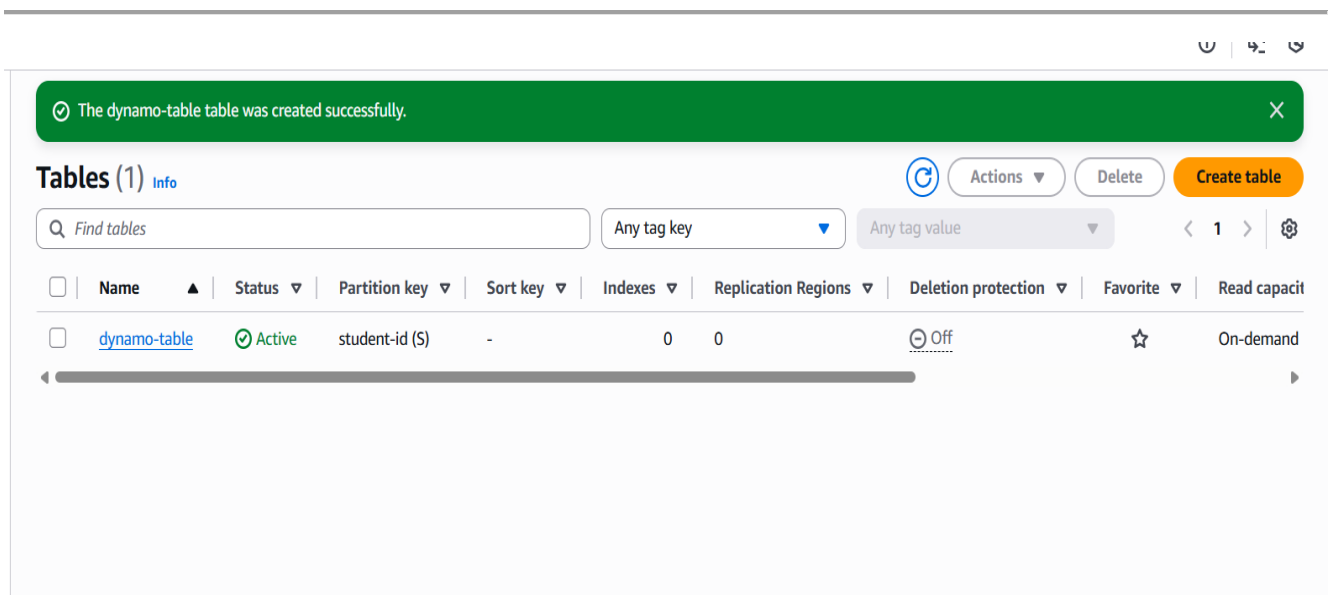
Type: **String**

**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 console interface. At the top, a green notification bar states: "The dynamo-table table was created successfully." Below this, the "Tables (1)" section is visible, showing a single table named "dynamo-table". The table's status is "Active", its partition key is "student-id (S)", and its sort key is "-". The table has 0 indexes and 0 replication regions. Deletion protection is "Off". The table is marked as a favorite and has "On-demand" capacity. The console also shows search filters for "Find tables", "Any tag key", and "Any tag value".

Name	Status	Partition key	Sort key	Indexes	Replication Regions	Deletion protection	Favorite	Read capacity
dynamo-table	Active	student-id (S)	-	0	0	Off	☆	On-demand

## 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**

dynamo-table

RunReset

Completed · Items returned: 1 · Items scanned: 1 · Efficiency: 100% · RCUs consumed: 3.5

Table: dynamo-table - Items returned (5)

Scan started on October 18, 2025, 16:09:51

< 1 >

student-id (String) mahendr mahesh tony UDAY vikram

5

sales

4

marketing

3

finance

2

HR

1

IT

## 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](#)

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

Source table

Q dynamo-table X C

**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.

dynamo-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](#) [Turn off](#)

Settings apply to new backups in this account and Region.

**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](#) [Refresh](#) [View details](#) [Restore](#) [Copy](#) [Delete](#) [Create backup](#)

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

Q Find backups by ARN or name

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

## Step 5: Verification

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

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

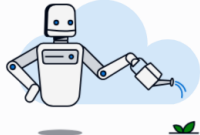
Tables

The request to delete the "dynamo-table" table has been submitted successfully.

Tables (0) [Info](#)

[Actions](#) [Delete](#) [Create table](#)

☐ **Name** ☐ **Status** ☐ **Partition key** ☐ **Sort key** ☐ **Indexes** ☐ **Replication Regions** ☐ **Deletion protection** ☐ **Favorite** ☐ **Read capacity mo**



You have no tables in this account in this AWS Region.


[Create table](#)

Backup: table/dynamo-table/backup/01760785458816-b1623197

[Info](#) [Restore](#)

Restore a backup of your DynamoDB table.

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

<b>Backup ID</b> table/dynamo-table/backup/01760785458816-b1623197	<b>Table name</b> <a href="#">dynamo-table</a>	<b>Backup status</b> <span>✓ Available</span>
<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	