

## 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.

## 1. Create a DynamoDB table with partition key as ID.

The screenshot shows the 'Create table' page in the AWS Management Console. The 'Table details' section is active, showing the table name 'Employee-tab' and the partition key 'ID' of type 'String'. The 'Table settings' section shows 'Default settings' selected. The page includes a sidebar with navigation options like 'Dashboard', 'Tables', 'Explore items', etc.

**Create table**

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

DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.

**Table name**

This will be used to identify your table.

Employee-tab

Between 3 and 255 characters, containing only letters, numbers, underscores (\_), hyphens (-), and periods (.).

**Partition key**

The partition key is part of the table's primary key. It is a hash value that is used to retrieve items from your table and allocate data across hosts for scalability and availability.

ID String

1 to 255 characters and case sensitive.

**Sort key - optional**

You can use a sort key as the second part of a table's primary key. The sort key allows you to sort or search among all items sharing the same partition key.

Enter the sort key name String

1 to 255 characters and case sensitive.

**Table settings**

☒ Default settings

The fastest way to create your table. You can modify most of these settings after your table has been created. To modify these settings now, choose 'Customize settings'.

☐ Customize settings

Use these advanced features to make DynamoDB work better for your needs.

The screenshot shows the 'List tables' page in the AWS Management Console. A green notification bar at the top states 'The Employee-tab table was created successfully.' The table list shows one table, 'Employee-tab', which is 'Active' with a partition key of 'ID (S)'. The table has 0 indexes and 0 replication regions. The 'Deletion protection' is set to 'Off'.

**Tables (1/1)** [Info](#)

☒ **Name** ☒ **Status** ☒ **Partition key** ☒ **Sort key** ☒ **Indexes** ☒ **Replication Regions** ☒ **Deletion protection** ☒ **Favorite** ☒ **Read capac**

<input checked="" type="checkbox"/>	Employee-tab	Active	ID (S)	-	0	0	Off	☆	On-demand
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## 2. Add 5 items to the DynamoDB table.

The screenshot shows the AWS Management Console interface for the 'Employee-tab' table in a DynamoDB instance. A green notification bar at the top states 'The item has been saved successfully.' The left sidebar contains navigation links for 'DynamoDB', 'DAX', and various table management options. The main panel displays the 'Employee-tab' table details, including a 'Scan or query items' section with 'Scan' selected. Below this, a status bar indicates 'Completed - Items returned: 1 - Items scanned: 1 - Efficiency: 100% - RCUs consumed: 2'. The table view shows one item returned.

**Table: Employee-tab - Items returned (1)**

Scan started on August 26, 2025, 13:30:48

This screenshot shows the same AWS Management Console interface, but now the table contains 5 items. The status bar indicates 'Completed - Items returned: 1 - Items scanned: 1 - Efficiency: 100% - RCUs consumed: 2'. The table view displays 5 items, each with a checkbox, an ID, and five attributes: Department, Designation, Name, and Salary.

**Table: Employee-tab - Items returned (5/5)**

Scan started on August 26, 2025, 13:30:48

<input checked="" type="checkbox"/>	ID (String)	Departme...	Designation	Name	Salary
<input checked="" type="checkbox"/>	5	Java	Backend Engi...	Mno	92000
<input checked="" type="checkbox"/>	4	Python	Backend Engi...	Jkl	90000
<input checked="" type="checkbox"/>	3	Testing	Test Engineer	Ghi	60000
<input checked="" type="checkbox"/>	2	Devops	Engin...	Def	70000
<input checked="" type="checkbox"/>	1	AWS	Architect	Abc	50000

### 3. Take backup and delete the table.

The screenshot shows the 'Create on-demand backup' page in the AWS Management Console. The page is for a DynamoDB table named 'Employee-tab'. The 'Source table' field is set to 'Employee-tab'. Under 'Backup settings', the 'Default settings' radio button is selected. The 'Backup window' is 'Start in 1 hour', 'Retention period' is 'Always', 'Backup management' is 'AWS Backup', 'Backup vault' is 'Default', and 'Transition to cold storage' is 'Never'. The 'IAM Role' is 'AWSBackupDefaultServiceRole'. A green success message at the top states: 'The employee-backup backup has been created successfully.'

The screenshot shows the 'List backups' page in the AWS Management Console. The page displays a list of backups for the 'Employee-tab' table. The backup is named 'employee-backup' and is in 'Available' status. The 'Creation time' is 'August 26, 2025...'. The 'ARN' is 'arn:aws:dynamodb:us-east-1:251985476962:table/Employee-tab/backup/employee-backup'. The 'Size' is '0 bytes' and the 'Type' is 'USER'. The page also shows the 'Backup settings' and a 'Turn off' button.

Name	Table	Status	Creation time	ARN	Size	Type
employee-backup	Employee-tab	Available	August 26, 2025...	arn:aws:dynamodb:us-east-1:251985476962:table/Employee-tab/backup/employee-backup	0 bytes	USER

