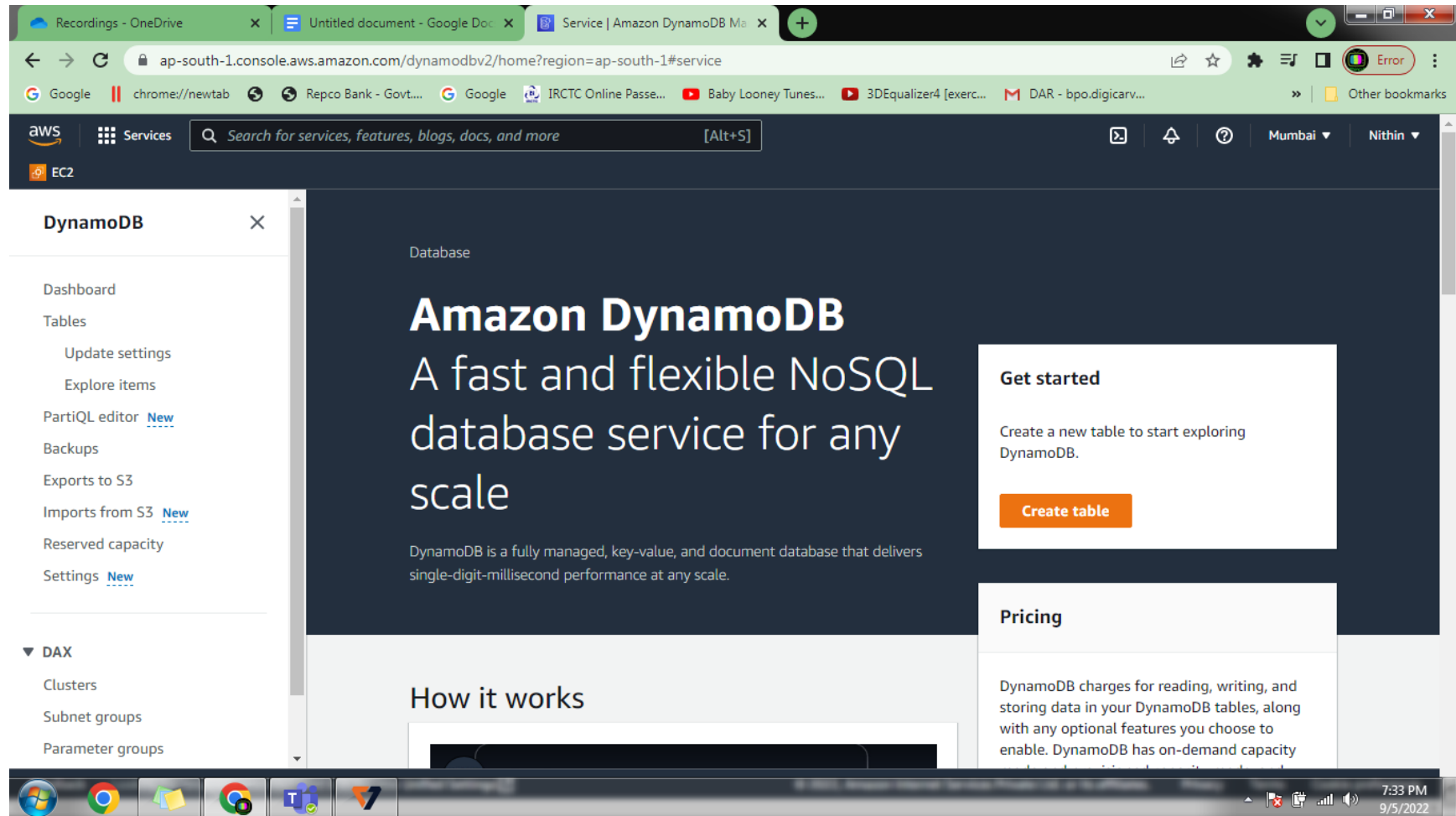


# DYNAMODB

Steps to create DynamoDB

Click on create table



## Table name - Partition Key Sort Key

The screenshot shows the 'Create table' page in the Amazon DynamoDB console. The browser's address bar shows the URL 'ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#create-table'. The page has a dark blue header with the AWS logo, 'Services' link, a search bar, and user information 'Mumbai' and 'Nithin'. The main content area is titled 'Create table' and contains a 'Table details' section with an 'Info' link. Below this, there are three input sections: 'Table name' with a text box containing 'ProductTable', 'Partition key' with a text box containing 'ProductID' and a dropdown set to 'String', and 'Sort key - optional' with a text box containing 'Type' and a dropdown set to 'String'. Each input section includes a description and character limits. The footer contains a 'Feedback' link, a language selection notice, copyright information for 2022, and links for 'Privacy', 'Terms', and 'Cookie preferences'.

**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.

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.

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.

1 to 255 characters and case sensitive.

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Click on create Table

The screenshot shows the AWS Management Console interface for creating a new Amazon DynamoDB table. The browser tabs include 'Recordings - OneDrive', 'Untitled document - Google Doc', and 'Create table | Amazon DynamoDB'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#create-table`. The console header includes the AWS logo, 'Services' menu, a search bar, and user information for 'Mumbai' and 'Nithin'.

The main content area displays the 'Create table' configuration page. It features a table with the following settings:

Auto scaling	On	Yes
Local secondary indexes	-	No
Global secondary indexes	-	Yes
Encryption key management	Owned by Amazon DynamoDB	Yes
Table class	DynamoDB Standard	Yes

Below the configuration table, there is a 'Tags' section. It explains that tags are pairs of keys and optional values used for resource management. It states 'No tags are associated with the resource.' and provides an 'Add new tag' button. A note indicates 'You can add 50 more tags.'

At the bottom of the configuration area, there are two buttons: 'Cancel' and 'Create table' (highlighted in orange).

The footer of the console includes a 'Feedback' link, a language selection notice, copyright information for 2022, and links for 'Privacy', 'Terms', and 'Cookie preferences'.

## Successfully created

The screenshot shows the AWS Management Console interface for Amazon DynamoDB. A green notification banner at the top states: "The ProductTable table was created successfully." The left sidebar contains navigation links for DynamoDB, including Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, and Settings. The main content area displays the "Tables (1)" list with a search bar and a table of existing tables. The table has columns for Name, Status, Partition key, Sort key, Indexes, Read capacity mode, and Write capacity mode. The "ProductTable" is listed with a status of "Active", a partition key of "ProductID (S)", a sort key of "Type (S)", 0 indexes, and provisioned capacity with auto scaling. The bottom footer includes a feedback link, language selection information, and copyright notice for Amazon Internet Services Private Ltd. or its affiliates.

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#tables

Services Search for services, features, blogs, docs, and more [Alt+S]

EC2

**DynamoDB**

- Dashboard
- Tables**
  - Update settings
  - Explore items
  - PartiQL editor [New](#)
  - Backups
  - Exports to S3
  - Imports from S3 [New](#)
  - Reserved capacity
  - Settings [New](#)
- ▼ DAX
  - Clusters
  - Subnet groups
  - Parameter groups
  - Events

**The ProductTable table was created successfully.**

DynamoDB > Tables

Tables (1) [Info](#) [Refresh](#) [Actions](#) [Delete](#) [Create table](#)

[1](#) [Settings](#)

<input type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode
<input type="checkbox"/>	ProductTable	Active	ProductID (S)	Type (S)	0	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)

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## Create item

The screenshot shows the Amazon DynamoDB console interface. The browser address bar indicates the URL: `ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#item-explorer?initialTagKey=&table=ProductTable`. The console header includes the AWS logo, a search bar, and navigation links for Services and EC2. The left sidebar contains navigation options for DynamoDB (Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings) and DAX (Clusters, Subnet groups, Parameter groups, Events). The main content area displays the 'ProductTable' item explorer. On the left, a 'Tables (1)' panel shows 'ProductTable' selected. The main panel shows a 'Scan/Query items' section with a 'Completed' status and 'Read capacity units consumed: 0.5'. Below this, the 'Items returned (0)' section shows 'No items' and 'No items to display.' A 'Create item' button is visible at the bottom of the items list.

**DynamoDB**

- Dashboard
- Tables
  - Update settings
  - Explore items
- PartiQL editor [New](#)
- Backups
- Exports to S3
- Imports from S3 [New](#)
- Reserved capacity
- Settings [New](#)

**DAX**

- Clusters
- Subnet groups
- Parameter groups
- Events

**ProductTable** [Autopreview](#) [View table details](#)

**Scan/Query items**  
Expand to query or scan items.

✓ Completed Read capacity units consumed: 0.5

**Items returned (0)** [Refresh](#) [Actions](#) [Create item](#)

< 1 > [Settings](#) [Fullscreen](#)

No items  
No items to display.

[Create item](#)

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## Insert value

The screenshot shows the Amazon DynamoDB console interface for editing an item in a table named 'ProductTable'. The browser address bar shows the URL: `ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#edit-item?table=ProductTable&route=ROUTE_ITEM_EXPLORER&itemM...`. The console header includes the AWS logo, a search bar, and navigation links for 'Services' and 'EC2'. The breadcrumb trail is 'DynamoDB > Items: ProductTable > Edit item'. The main heading is 'Create item', with tabs for 'Form' and 'JSON view'. Below the heading is a description: 'You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)'. The 'Attributes' section contains a table with two rows: 'ProductID - Partition key' with value '1' and 'Type - Sort key' with value '131'. Both are of type 'String'. There is an 'Add new attribute' button. At the bottom right are 'Cancel' and 'Create item' buttons. The footer includes a 'Feedback' link, a language selection link, and copyright information for 2022.

Recordings - OneDrive x Untitled document - Google Doc x Edit item | Amazon DynamoDB M x

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#edit-item?table=ProductTable&route=ROUTE\_ITEM\_EXPLORER&itemM... Error

Google chrome://newtab Repco Bank - Govt... Google IRCTC Online Passe... Baby Looney Tunes... 3DEqualizer4 [exerc... DAR - bpo.digicarv... Other bookmarks

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EC2

DynamoDB > Items: ProductTable > Edit item

### Create item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Form JSON view

Attributes Add new attribute

Attribute name	Value	Type
ProductID - Partition key	1	String
Type - Sort key	131	String

Cancel Create item

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Recordings - OneDrive

Untitled document - Google Doc

Items | Amazon DynamoDB Man

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#item-explorer?initialTagKey=&table=ProductTable

Googlechrome://newtabRepco Bank - Govt...GoogleIRCTC Online Passe...Baby Looney Tunes...3DEqualizer4 [exerc...DAR - bpo.digicarv...Other bookmarks

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EC2MumbaiNithin

DynamoDB

Dashboard

Tables

Update settings

Explore items

PartiQL editor New

Backups

Exports to S3

Imports from S3 New

Reserved capacity

Settings New

DAX

Clusters

Subnet groups

Parameter groups

Events

The item has been saved successfully.

DynamoDB > Items > ProductTable

Tables (1)

Any table tag

Find tables by table name

< 1 >

ProductTable

ProductTable

AutopreviewView table details

▶ Scan/Query items

Expand to query or scan items.

CompletedRead capacity units consumed: 0.5

Items returned (1)

ActionsCreate item

< 1 >

	ProductID	Type
<input type="checkbox"/>	1	131

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## Can add attributes

Recordings - OneDrive x Untitled document - Google Doc x Edit item | Amazon DynamoDB M x

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#edit-item?table=ProductTable&itemMode=2&pk=1&sk=131&route=R... Error

Google chrome://newtab Repco Bank - Govt... Google IRCTC Online Passe... Baby Looney Tunes... 3DEqualizer4 [exerc... DAR - bpo.digicarv... Other bookmarks

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EC2

DynamoDB > Items: ProductTable > Edit item

### Edit item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Form JSON view

#### Attributes

Add new attribute ▼

Attribute name	Value	Type
ProductID - Partition key	1	String
Type - Sort key	131	String

Cancel Save changes

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

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