

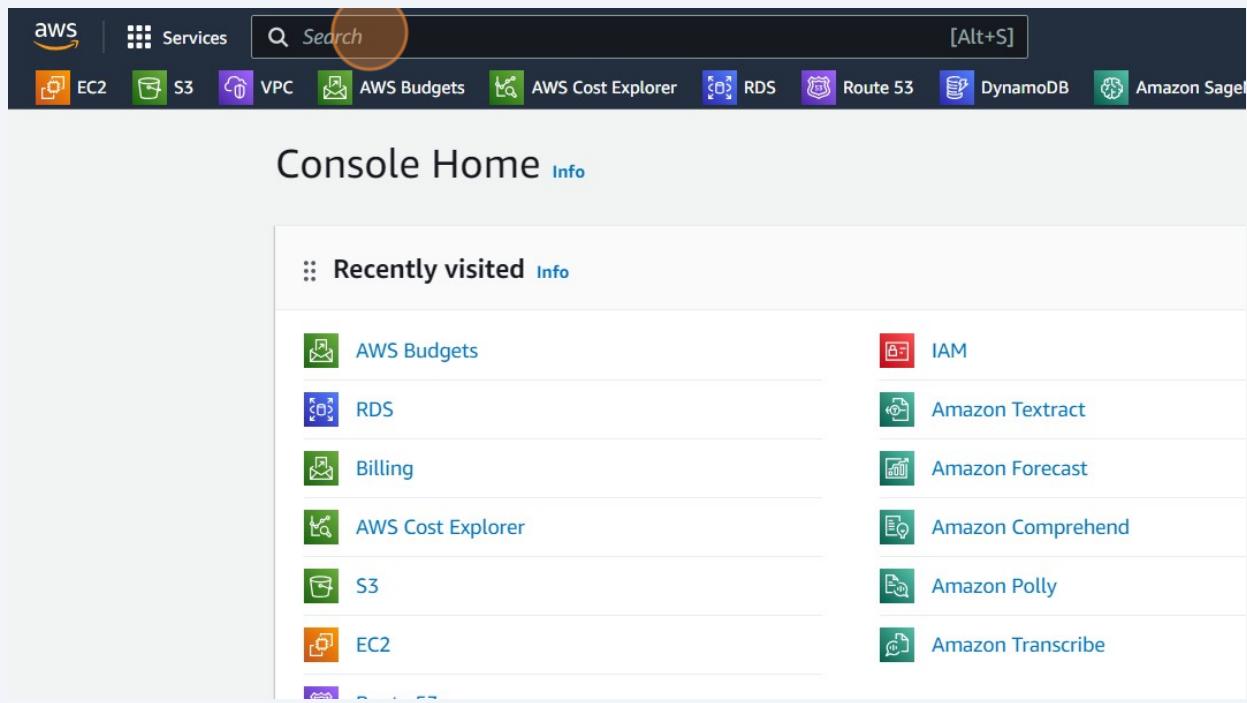
# DynamoDB

Guide provides step-by-step instructions on how to create and manage tables in DynamoDB on the AWS platform. It covers the process of creating a table, adding items to the table, querying and scanning items, and deleting the table. If you are new to DynamoDB or need help navigating the platform, this guide will help you get started.

This guide was created by Nijat Hajiyev

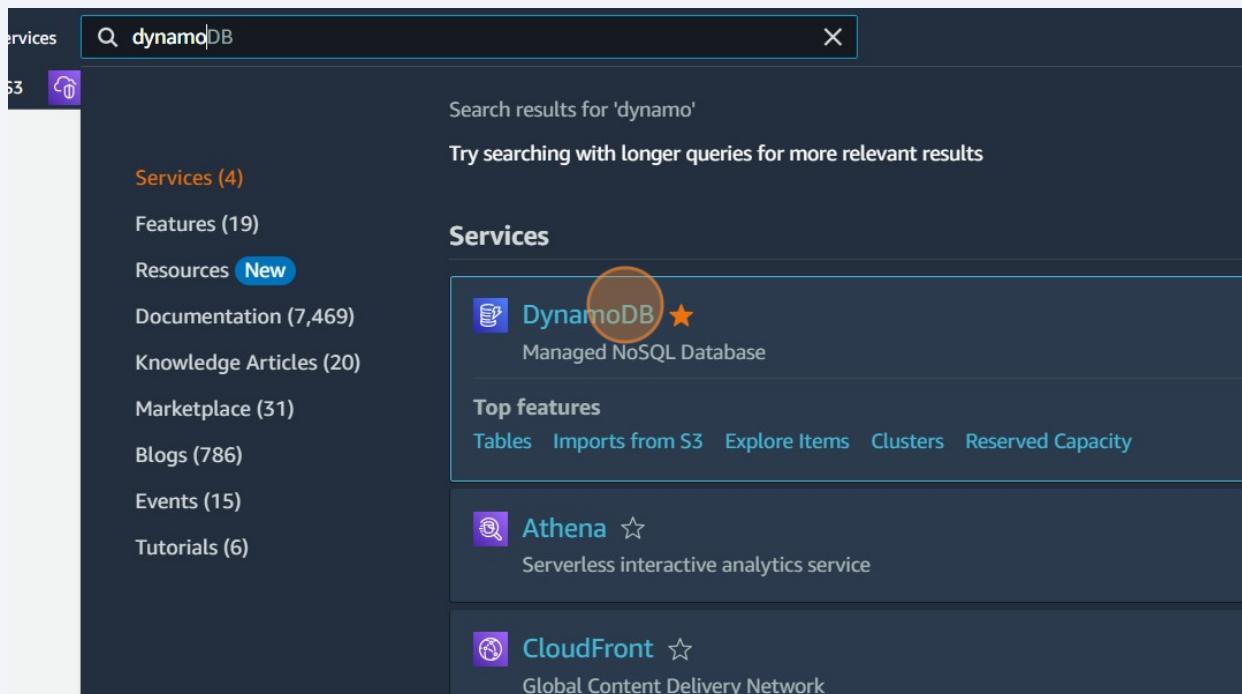
- 1 Navigate to [aws.amazon.com](https://aws.amazon.com)

- 2 Click the "Search" field.

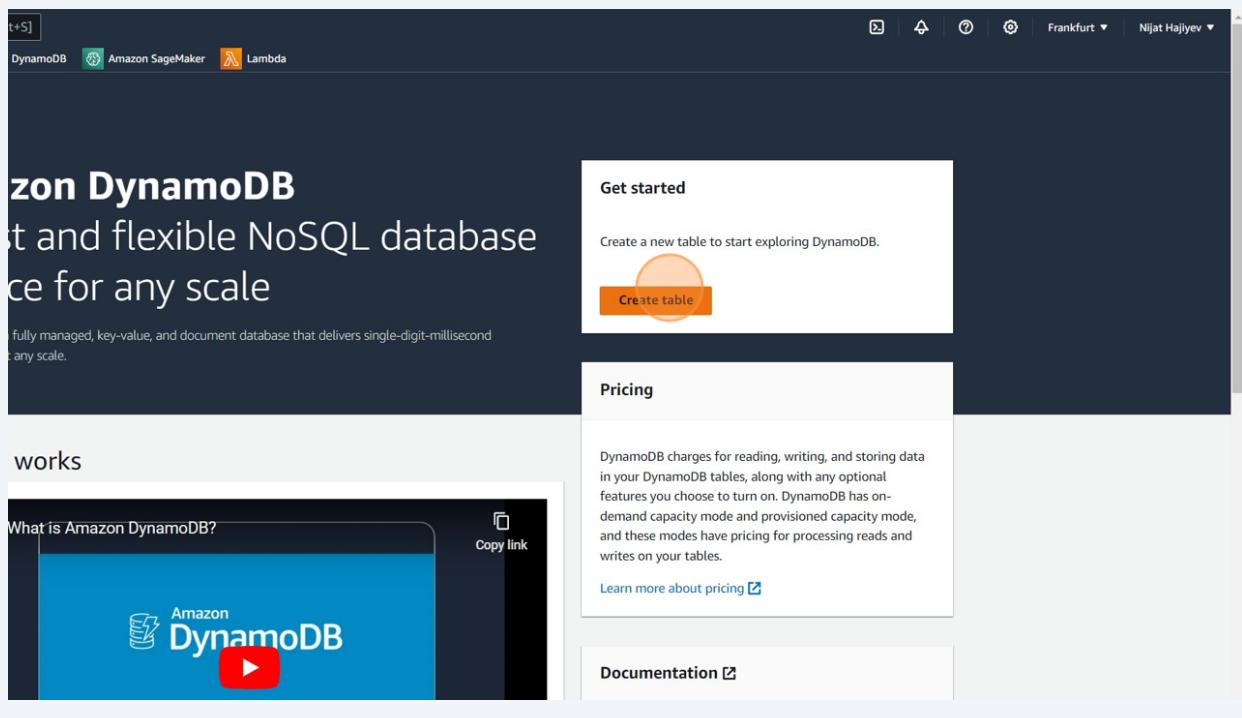


- 3 Type "DynamoDB"

4 Click "DynamoDB"



5 Click "Create table"



**6** Type "table"

**7** Click the "Enter the partition key name" field.

**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.

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.

String ▾

1 to 255 characters and case sensitive.

**Table settings**

**8** Type "user\_id"

## 9 Click "Create table"

The screenshot shows the 'Create table' configuration page. At the top, there's a table with various settings like Table class, Capacity mode, and Provisioned read capacity. Below the table is a section for tags with a note about AWS spending. The 'Create table' button is highlighted with a large orange circle.

Setting	Value	Editable after creation
Table class	DynamoDB Standard	Yes
Capacity mode	Provisioned	Yes
Provisioned read capacity	5 RCU	Yes
Provisioned write capacity	5 WCU	Yes
Auto scaling	On	Yes
Local secondary indexes	-	No
Global secondary indexes	-	Yes
Encryption key management	Owned by Amazon DynamoDB	Yes
Deletion protection	Off	Yes

**Tags**  
Tags are pairs of keys and optional values, that you can assign to AWS resources. You can use tags to control access to your resources or track your AWS spending.

0 tags are associated with the resource.

Add new tag

You can add 50 more tags.

Cancel Create table

Feedback

## 10 Click here.

The screenshot shows the list of tables in the Amazon DynamoDB console. A table is selected, and its details are shown in the preview pane. The 'Create table' button in the top right of the table list is highlighted with a large orange circle.

Action	Actions	Delete	Create table
C	Actions	Delete	Create table

Any tag key Any tag value

Sort key Indexes Deletion protection Read capacity mode Write capacity mode Total size Table class

id (\$)

0 Off Provisioned (5) Provisioned (5) 0 bytes Standard

## 11 Click "Active"

The table table was created successfully.

DynamoDB > Tables

Tables (1) Info

Name	Status	Partition key	Sort key	Indexes	Deletion protection	Read capacity mod
table	Active	user_id (\$)	-	0	Off	Provisioned (5)

## 12 Click "table"

The table table was created successfully.

DynamoDB > Tables

Tables (1) Info

Name	Status	Partition key	Sort key
table	Active	user_id (\$)	-

## 13 Click "Explore table items"

The screenshot shows the AWS DynamoDB console for a table named 'Order'. At the top, there are navigation links for 'Overview', 'Indexes', 'Monitor', 'Global tables', 'Backups', 'Exports and streams', and 'Additional settings'. Below this, a message about Point-in-time recovery (PITR) is displayed, with a 'Edit PITR' button. The main section is titled 'General information' and includes fields for 'Partition key' (order\_id, String), 'Sort key' (empty), 'Capacity mode' (Provisioned), and 'Table status' (Active). It also shows 'Alarms' (No active alarms) and a 'Point-in-time recovery (PITR)' section with an 'Off' toggle. A 'Get live item count' button is located in the 'Items summary' section. The 'Actions' dropdown menu at the top right contains an 'Explore table items' option, which is highlighted with a red circle.

## 14 Click "Create item"

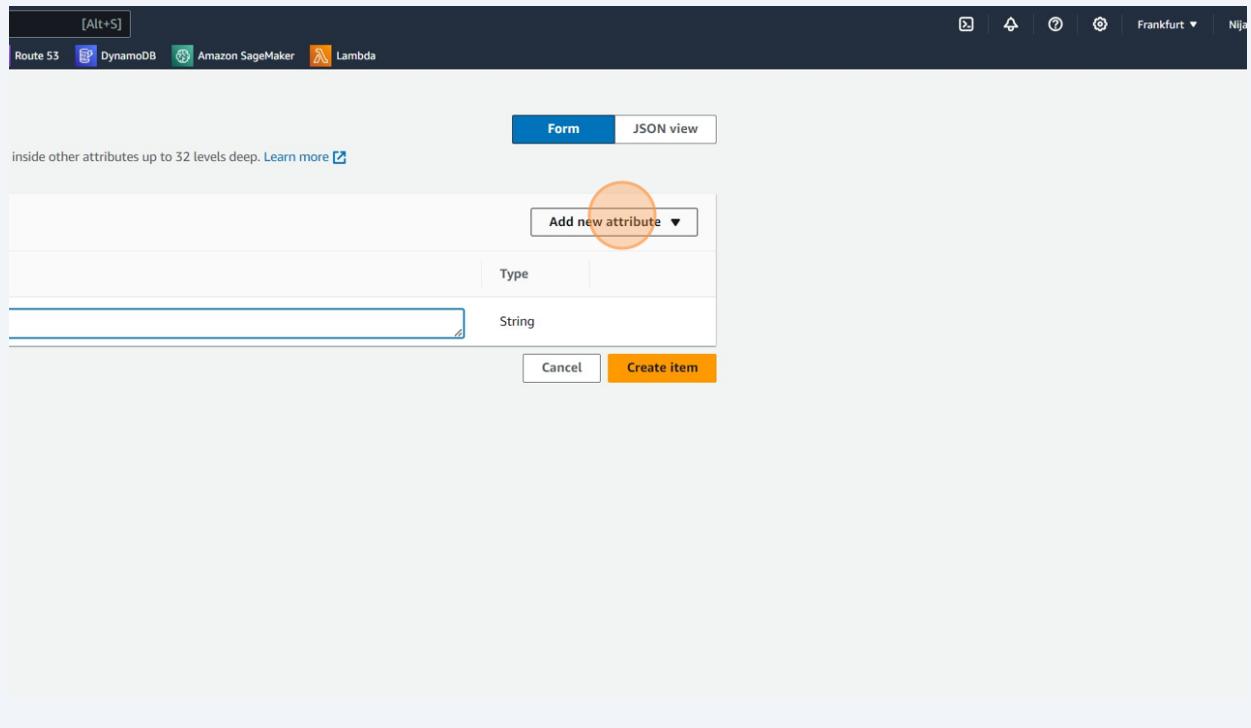
The screenshot shows the AWS DynamoDB console for a table named 'Order'. At the top, there are two tabs: 'Scan' (selected) and 'Query'. Below this, there are dropdown menus for 'Select a table or index' (set to 'Table - table') and 'Select attribute projection' (set to 'All attributes'). There is also a 'Filters' section and a 'Run' button. A green message bar at the bottom states 'Completed. Read capacity units consumed: 0.5'. The main area is titled 'Items returned (0)' and shows a message 'No items' and 'No items to display.' A 'Create item' button is located at the bottom of this section, highlighted with a red circle. The 'Actions' dropdown menu at the top right contains a 'Create item' option.

**15** Click the "Empty value" field.

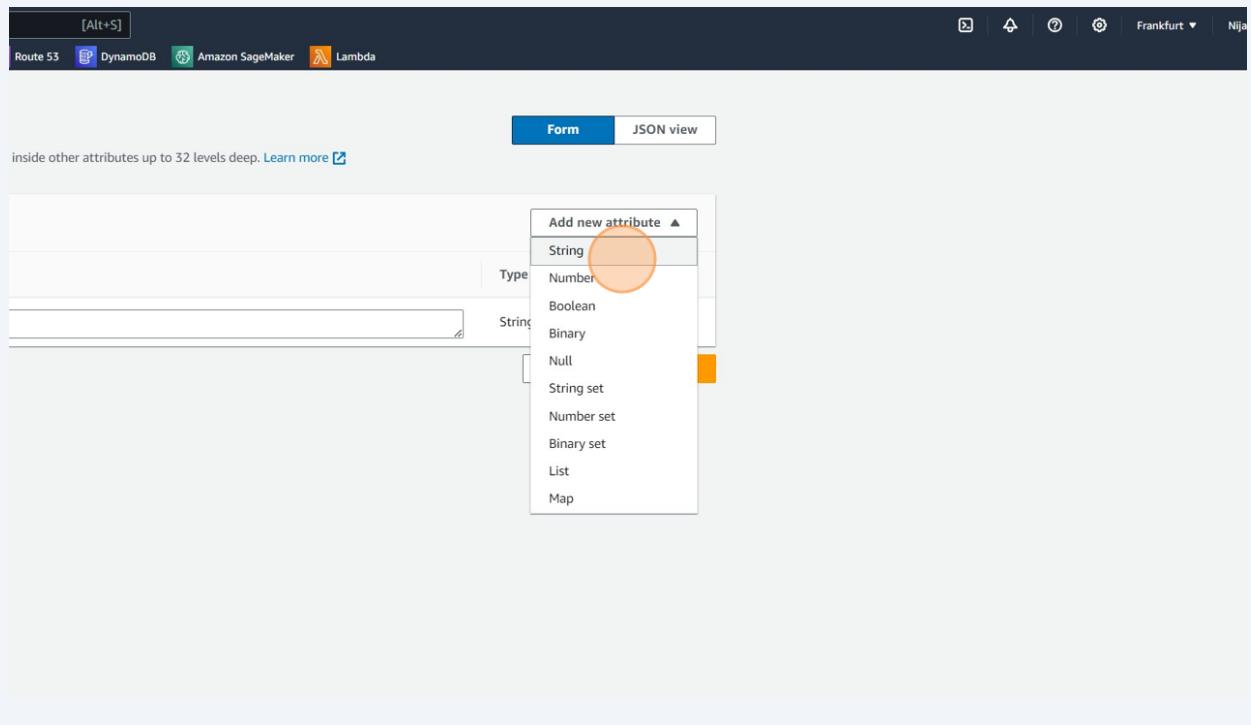
The screenshot shows the AWS DynamoDB 'Create item' interface. At the top, there's a navigation bar with various services like EC2, S3, VPC, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. Below that, a breadcrumb trail shows 'DynamoDB > Explore items: table > Create item'. The main area is titled 'Create item' with tabs for 'Form' (selected) and 'JSON view'. A section titled 'Attributes' lists one item: 'user\_id - Partition key' with a value of 'Empty value'. This 'Empty value' field is highlighted with a red oval. To the right of the table is a button labeled 'Add new attribute ▾'. At the bottom right are 'Cancel' and 'Create item' buttons.

**16** Type "1234"

## 17 Click "Add new attribute"



## 18 Click "String"



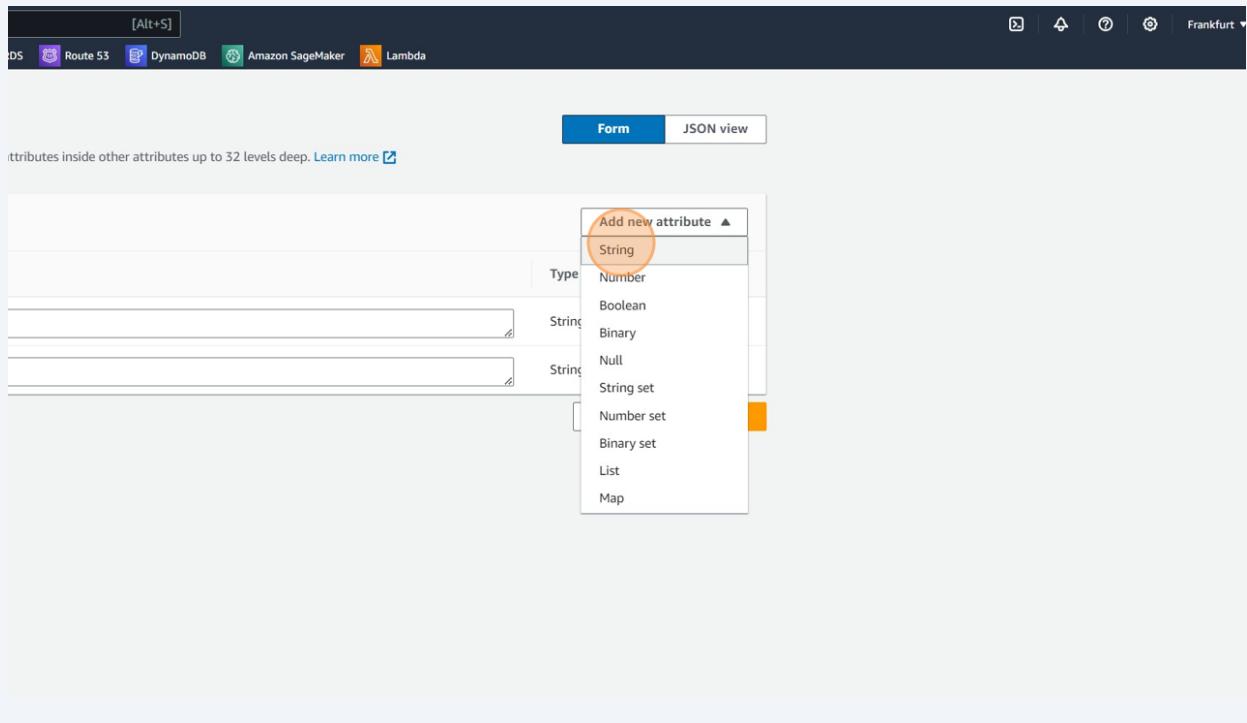
## 19 Click this text field.

The screenshot shows the AWS DynamoDB 'Create item' interface. At the top, there's a navigation bar with various services like EC2, S3, VPC, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. Below that, it says 'DynamoDB > Explore items: table > Create item'. The main area is titled 'Create item' and contains a table for 'Attributes'. The first row has 'Attribute name' as 'user\_id - Partition key' and 'Value' as '1234'. The second row has 'Attribute name' as 'NewValue' and 'Value' as 'Empty value'. There are buttons for 'Add new attribute', 'Type', 'String', 'Remove', 'Cancel', and a prominent orange 'Create item' button.

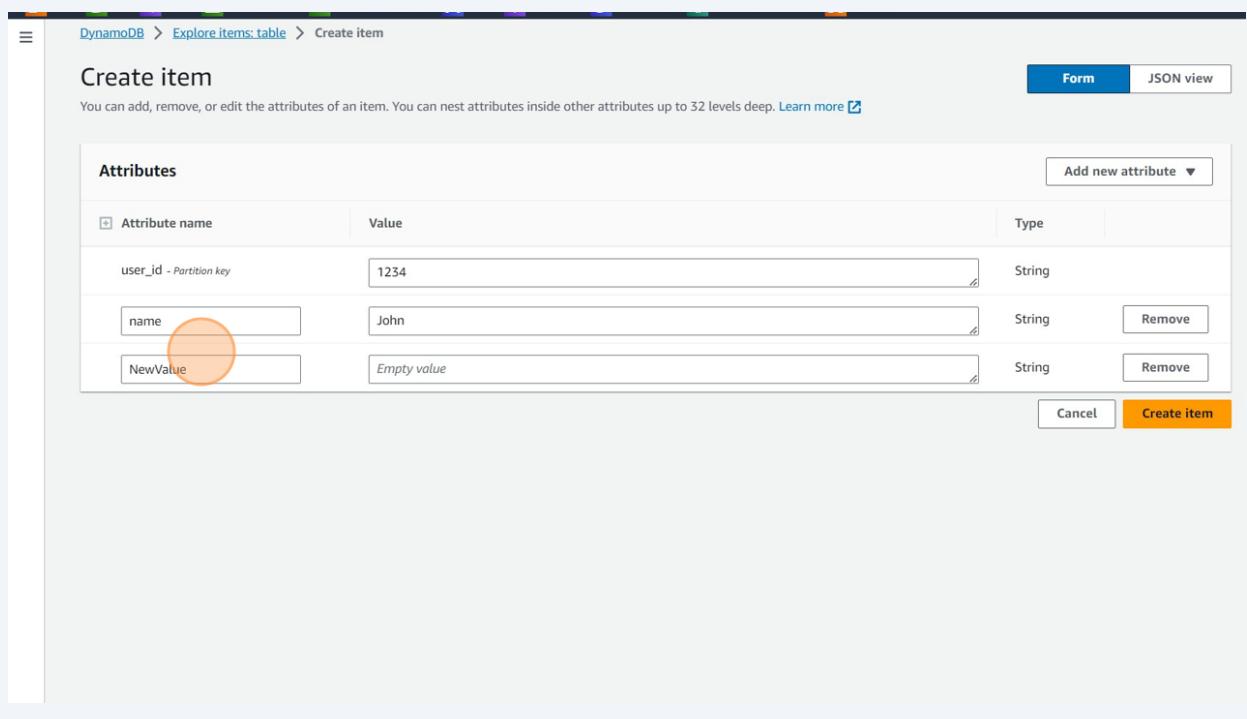
## 20 Click "Add new attribute"

This screenshot is from the same 'Create item' interface as the previous one. It shows the 'Add new attribute' button highlighted with a large orange circle. The rest of the interface is identical to the first screenshot, including the table with attributes and the 'Create item' button.

## 21 Click "String"



## 22 Click this text field.



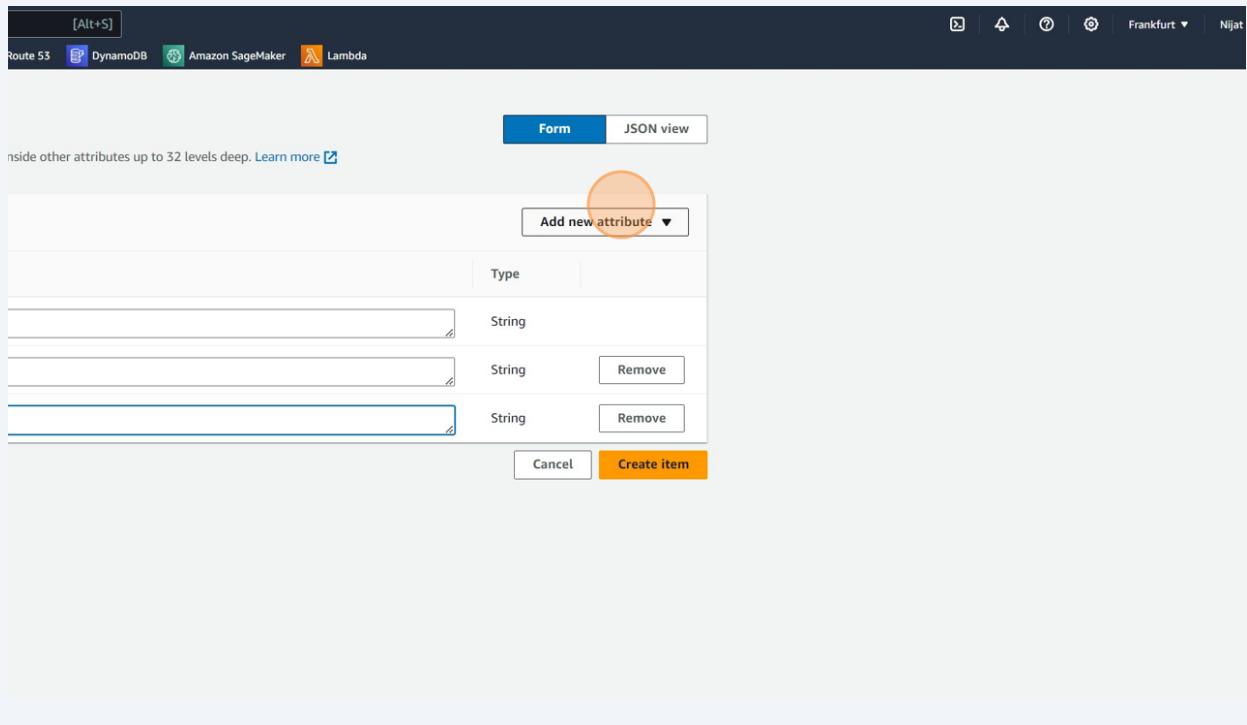
**23** Type "surname"

**24** Click the "Empty value" field.

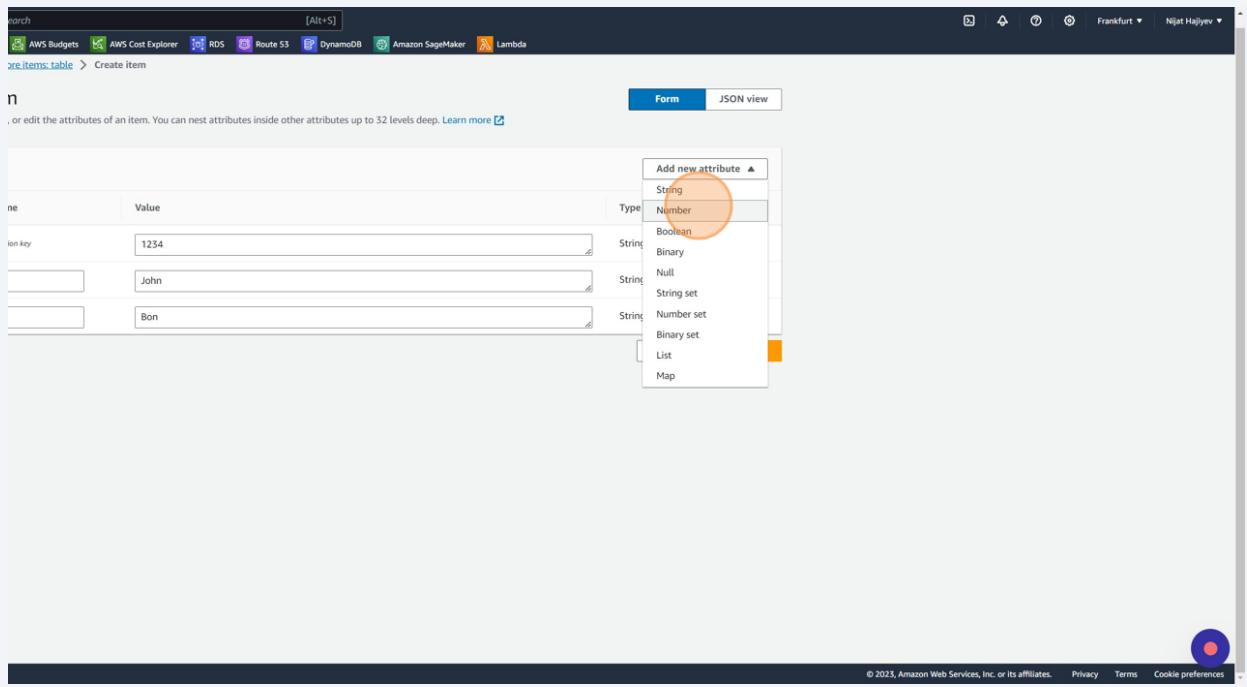
Attributes	
Attribute name	Value
user_id - Partition key	1234
name	John
surname	Empty value

**25** Type "Bon"

## 26 Click "Add new attribute"



## 27 Click "Number"



**28** Click this text field.

Create item

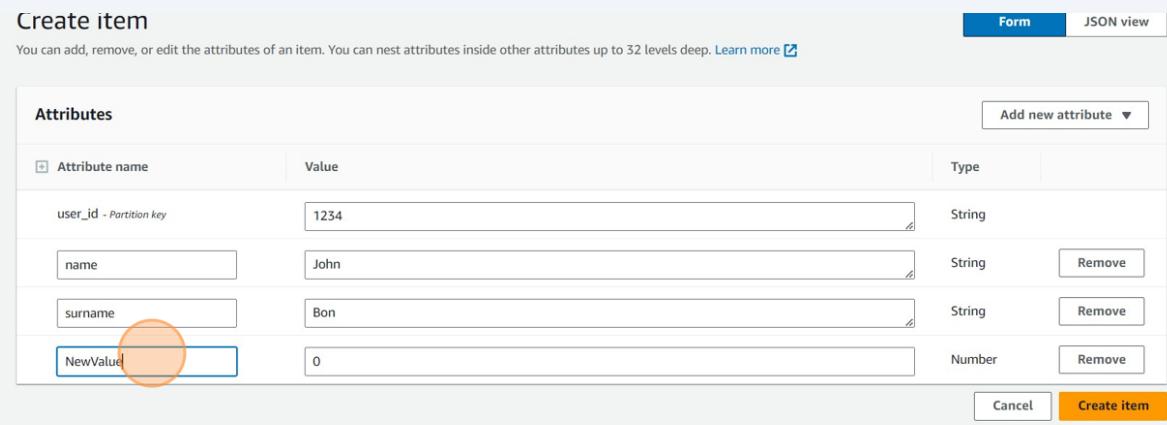
You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

**Attributes**

Attribute name	Value	Type
user_id - Partition key	1234	String
name	John	String
surname	Bon	String
NewValue	0	Number

[Add new attribute ▾](#)

[Cancel](#) [Create item](#)



The screenshot shows a 'Create item' form for AWS Lambda. It has a table with four rows of attributes. The first row is a partition key ('user\_id'). The second row is a string ('name'). The third row is a string ('surname'). The fourth row is a number ('NewValue'). The 'NewValue' input field is circled in orange. At the bottom right are 'Cancel' and 'Create item' buttons.

**29** Type "52"

**30** Click here.

**Attributes**

Attribute name	Value
user_id - Partition key	1234
name	John
surname	Bon
number	52

**31** Click "Create item"

Add new attribute ▾

Type	
String	
String	Remove
String	Remove
Number	Remove

**Create item**

## 32 Click "Completed."

The screenshot shows the AWS Lambda console interface. On the left, there's a sidebar with navigation links like 'Update settings', 'Explore items', 'PartiQL editor', 'Backups', 'Exports to S3', 'Imports from S3', 'Reserved capacity', and 'Settings'. Below that is a 'DAX' section with 'Clusters', 'Subnet groups', 'Parameter groups', and 'Events'. The main area is titled 'Scan or query items' with a 'Scan' button selected. A search bar at the top says 'Any tag value' and 'Find tables by table name'. A table below shows one entry: 'table'. The status bar at the bottom says 'Completed. Read capacity units consumed: 0.5'. Below the status is a table titled 'Items returned (1)' with columns: user\_id (String), name, number, surname. One row is shown: 1234, John, 52, Bon.

## 33 Click "Create item"

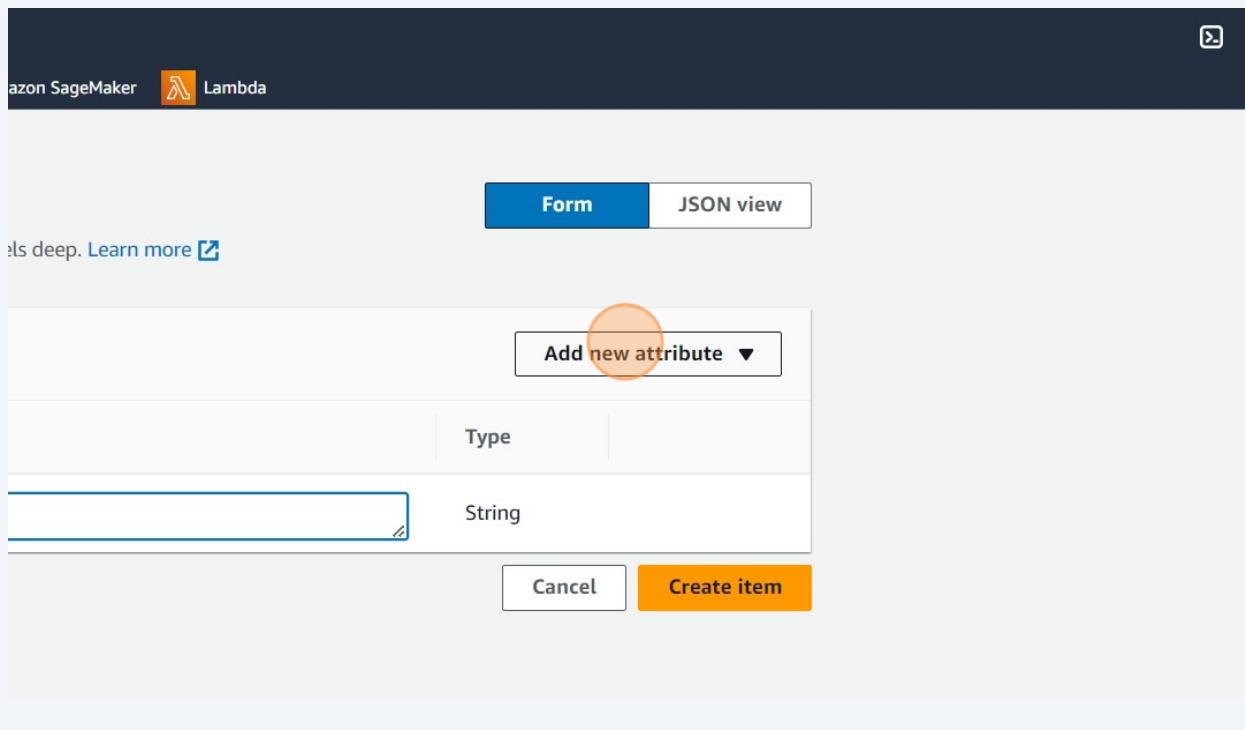
This screenshot shows the same AWS Lambda console interface as the previous one, but with a different focus. The 'Scan' button is still selected. The status bar at the bottom now says 'Completed. Read capacity units consumed: 0.5'. In the bottom right corner of the results table, there's a 'Create item' button, which is highlighted with a large orange circle. The table structure is identical to the previous screenshot, showing one item with user\_id 1234, name John, number 52, and surname Bon.

**34** Click the "Empty value" field.

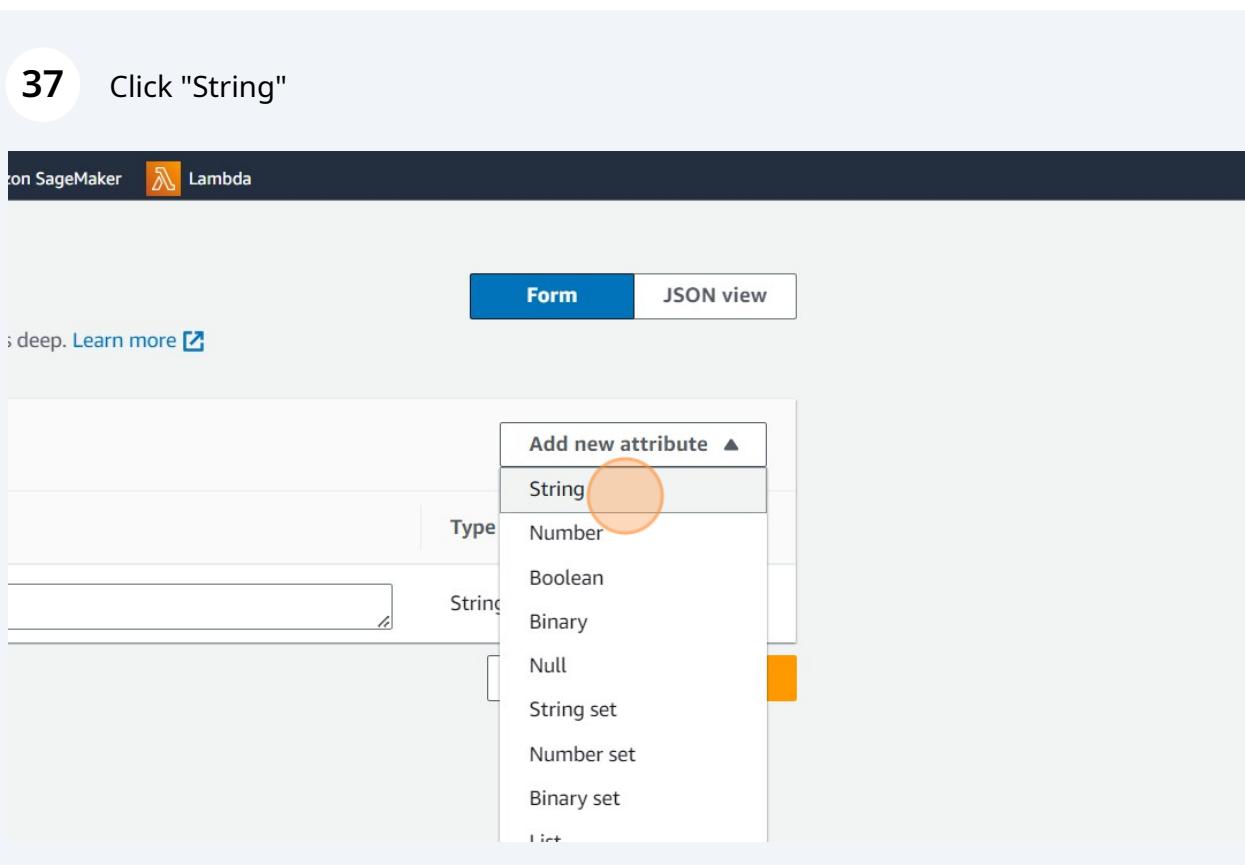
The screenshot shows the AWS DynamoDB 'Create item' interface. At the top, there's a navigation bar with various service icons like EC2, S3, VPC, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. Below the navigation bar, the path 'DynamoDB > Explore items: table > Create item' is visible. The main area is titled 'Create item' with tabs for 'Form' (selected) and 'JSON view'. A section titled 'Attributes' contains a table with one row. The row has columns for 'Attribute name' (containing 'user\_id - Partition key'), 'Value' (containing 'Empty value'), and 'Type' (containing 'String'). The 'Value' field is highlighted with a red circle. At the bottom right of the form are 'Cancel' and 'Create item' buttons.

**35** Type "5678"

**36** Click "Add new attribute"



**37** Click "String"



- 38** Click this text field.

### 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](#)

#### Attributes

Attribute name	Value
user_id - Partition key	5678
NewValue	Empty value

- 39** Type "name"

**40** Click the "Empty value" field.

The screenshot shows the AWS DynamoDB 'Create item' interface. At the top, there's a navigation bar with icons for EC2, S3, VPC, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. Below the navigation bar, the path 'DynamoDB > Explore items: table > Create item' is visible. The main area is titled 'Create item' with tabs for 'Form' (selected) and 'JSON view'. A section titled 'Attributes' contains two rows. The first row has 'Attribute name' as 'user\_id - Partition key' and 'Value' as '5678'. The second row has 'Attribute name' as 'name' and 'Value' as 'Empty value'. The 'Empty value' field is highlighted with a red circle. To the right of the attribute rows are 'Type' columns ('String' for both) and 'Remove' buttons. At the bottom right are 'Cancel' and 'Create item' buttons, with 'Create item' being orange.

**41** Type "Mateo"

**42** Click "Create item"

The screenshot shows the 'Create item' dialog for AWS Lambda. At the top is a dropdown menu labeled 'Add new attribute ▾'. Below it is a table with two rows. The first row has a 'Type' column with 'String' and an empty value column. The second row also has a 'Type' column with 'String' and an empty value column. To the right of the second row is a 'Remove' button. At the bottom are two buttons: 'Cancel' and 'Create item', with 'Create item' being highlighted by a red circle.

**43** Click "Items returned"

The screenshot shows the results of a Lambda function execution. At the top is a 'Filters' section with 'Run' and 'Reset' buttons. Below it is a green success message: 'Completed. Read capacity units consumed: 0.5'. The main area is titled 'Items returned (2)'. It lists two items in a table:

	user_id (String)	name	number
<input type="checkbox"/>	<a href="#">5678</a>	Mateo	
<input type="checkbox"/>	<a href="#">1234</a>	John	52

## Scan or query items

44 Click here.

The screenshot shows the AWS DynamoDB console. On the left, there's a sidebar titled 'Tables (1)' with a single entry: 'table'. On the right, under the heading 'table', there's a section titled 'Scan or query items' with two options: 'Scan' (selected) and 'Query'. Below this, it says 'Select a table or index' and shows 'Table - table' selected. There's also a 'Filters' section and a 'Run' button at the bottom.

45 Click "Table - table"

This screenshot is similar to the previous one, but the 'Table - table' selection in the 'Select a table or index' dropdown is highlighted with an orange circle. The rest of the interface is identical to the first screenshot.

**46** Click "table"

The screenshot shows the AWS Lambda Test console interface. On the left, there's a sidebar with a dropdown for 'Any tag value' and a search bar labeled 'Find tables by table name'. Below these are navigation controls (< 1 >) and a settings gear icon. A blue circle highlights the word 'table' in a list of items. On the right, under the heading 'Scan or query items', there are two radio buttons: 'Scan' (selected) and 'Query'. Below them is a section titled 'Select a table or index' with a dropdown menu showing 'Table - table' and 'Table'. Under 'Table', the word 'table' is highlighted with an orange circle. At the bottom are 'Run' and 'Reset' buttons, and a green success message: 'Completed. Read capacity units consumed: 0.5'. A final box at the bottom displays 'Items returned (2)'.

**47** Click here.

This screenshot is similar to the previous one but includes additional instructions. The 'table' item in the sidebar is highlighted with a blue circle. In the main panel, the 'Filters' button in the 'Scan or query items' section is highlighted with an orange circle. The rest of the interface and results are identical to the first screenshot.

- 48** Click the "Attribute name" field.

The screenshot shows the AWS Lambda console interface. On the left, there's a sidebar with a search bar labeled 'Find tables by table name' and a table list where 'table' is selected. The main area is titled 'Scan' and shows a configuration for a table named 'Table - table'. Under the 'Filters' section, there is a row for 'Attribute name' with a dropdown menu open, showing 'Enter attribute name' and 'user\_id'. The 'Type' dropdown is set to 'String' and the condition 'Equal' is selected. Below the filters are 'Run' and 'Reset' buttons. At the bottom, a green success message says 'Completed. Read capacity units consumed: 0.5'.

- 49** Click "user\_id"

This screenshot is similar to the previous one but shows the 'user\_id' value selected in the 'Attribute name' dropdown. The rest of the interface and the success message at the bottom are identical to the first screenshot.

**50** Click the "Value" field.

The screenshot shows the AWS Lambda console interface for querying a table named 'able - table'. The 'Scan' tab is selected. A filter is applied for the attribute 'user\_id' (String type, Equal to) with the value 'Enter attribute value'. The 'Value' input field is highlighted with an orange circle. The 'Run' button is visible at the bottom left, and a message at the bottom indicates completion with 'Completed. Read capacity units consumed: 0.5'. The results table shows two items returned, with columns 'user\_id', 'name', 'number', and 'surname'.

**51** Type "1234"

## 52 Click "Run"

The screenshot shows the AWS Lambda console interface. On the left, there's a sidebar with 'Explore items' and 'DAX' sections. The main area has a search bar at the top. Below it, there's a table with one row selected. To the right, there's a 'Scan' or 'Query' section with a 'Select table or index' dropdown set to 'Table - table'. Under 'Filters', there's a condition for 'user\_id' set to 'String' and 'Equal to'. A 'Run' button is highlighted with a red circle. Below the filters, a green message says 'Completed. Read capacity units consumed: 0.5'. At the bottom, there's a table titled 'Items returned (2)' with two rows of data.

	user_id (String)	name	number	surname
<input type="checkbox"/>	5678	Mateo		
<input type="checkbox"/>	1234	John	52	Bon

## 53 Click this checkbox.

This screenshot is similar to the previous one but shows a single row selected in the 'Items returned' table. The 'user\_id' column for the row '1234' contains a checked checkbox, indicated by a red circle. The rest of the interface is identical to the first screenshot.

	user_id (String)	name	number	surname
<input checked="" type="checkbox"/>	1234	John	52	Bon

## Delete table

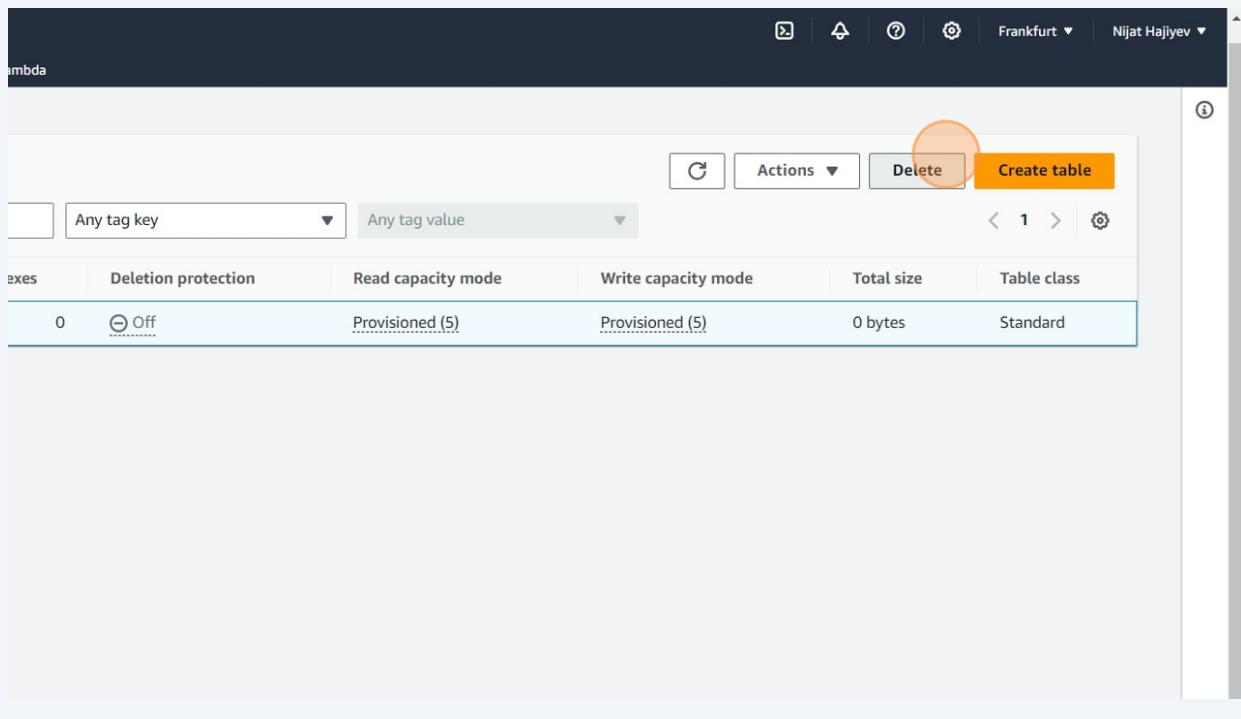
**54** Click "Tables"

The screenshot shows the AWS DynamoDB console. The left sidebar has a 'Tables' link highlighted with an orange circle. The main content area shows a table titled 'Tables (1)'. A single row is listed: 'table' with status 'Active'. To the right, there's a section titled 'Scan or query items' with a 'Scan' button selected.

**55** Click this checkbox.

The screenshot shows the AWS DynamoDB console. The left sidebar has a 'Tables' link highlighted with an orange circle. The main content area shows a table titled 'Tables (1)'. A single row is listed: 'table' with status 'Active'. The checkbox next to the row is also highlighted with an orange circle.

**56** Click "Delete"



**57** Type "confirm"

## 58 Click "Delete"

