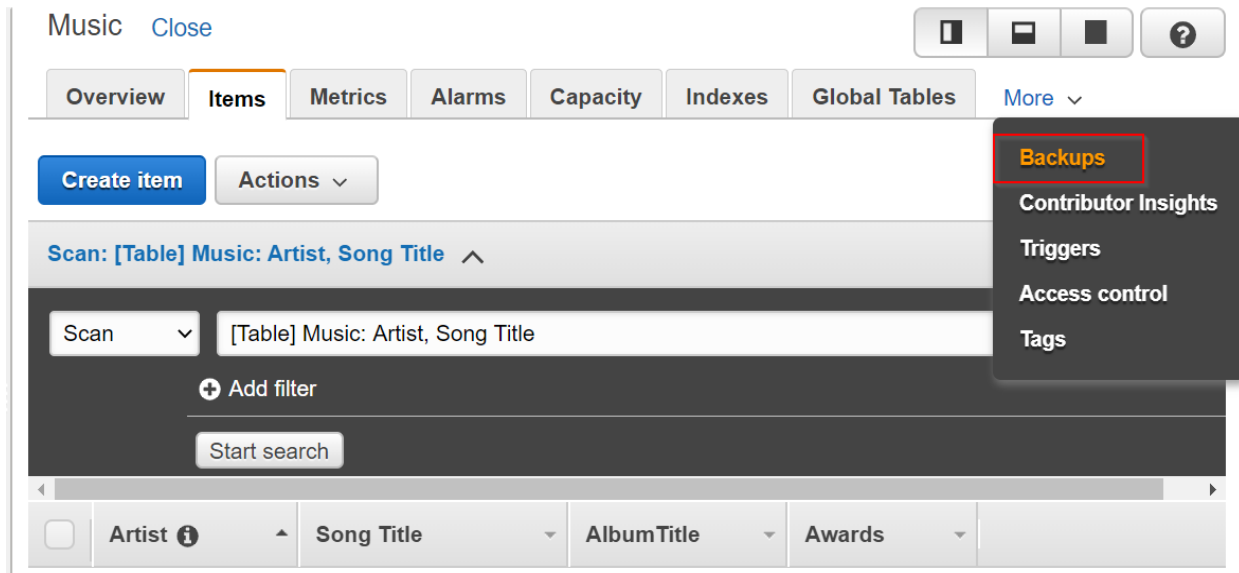
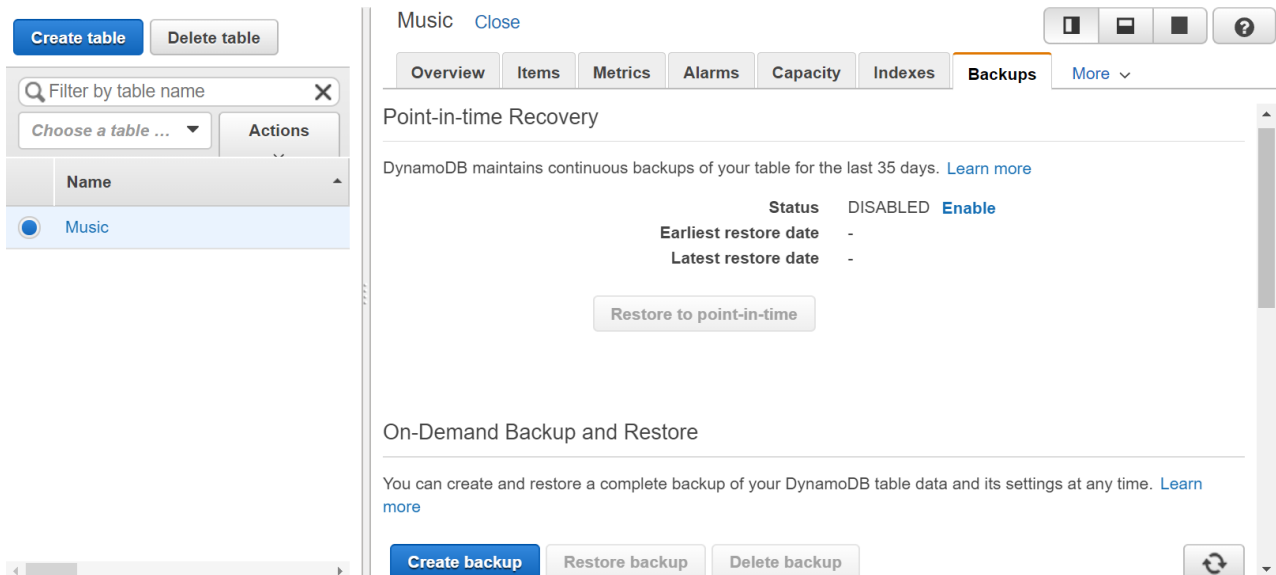


Module 6: Hands-On 3: Backing up a DynamoDB Table

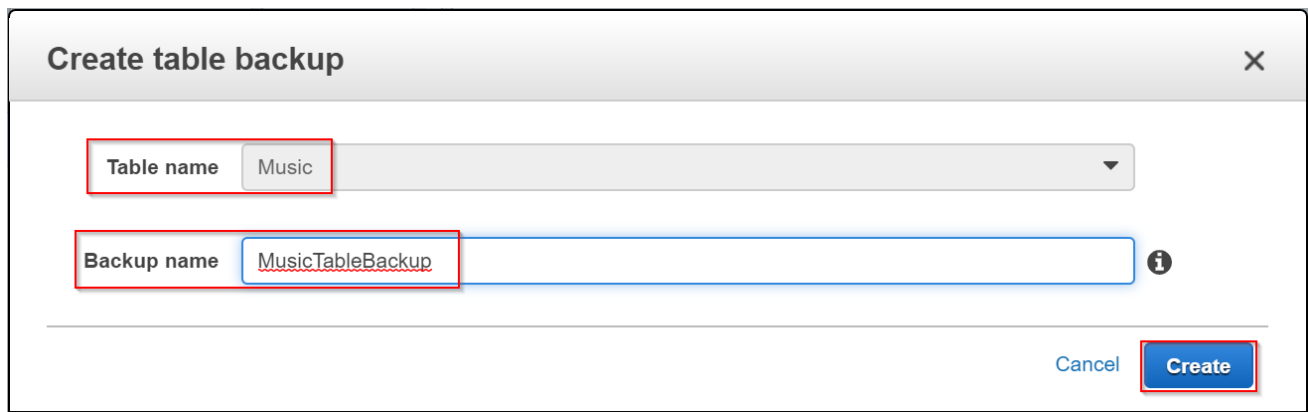
Step 1: Open the DynamoDB console, and click on **More** to reveal the **Backups** option. Once you can see the option, click on it



Once you click on it, you will get the below page:



Step 2: Now scroll down, click on **Create Backup**; choose the table that you want to backup; give the backup a name, and then click on **Create**

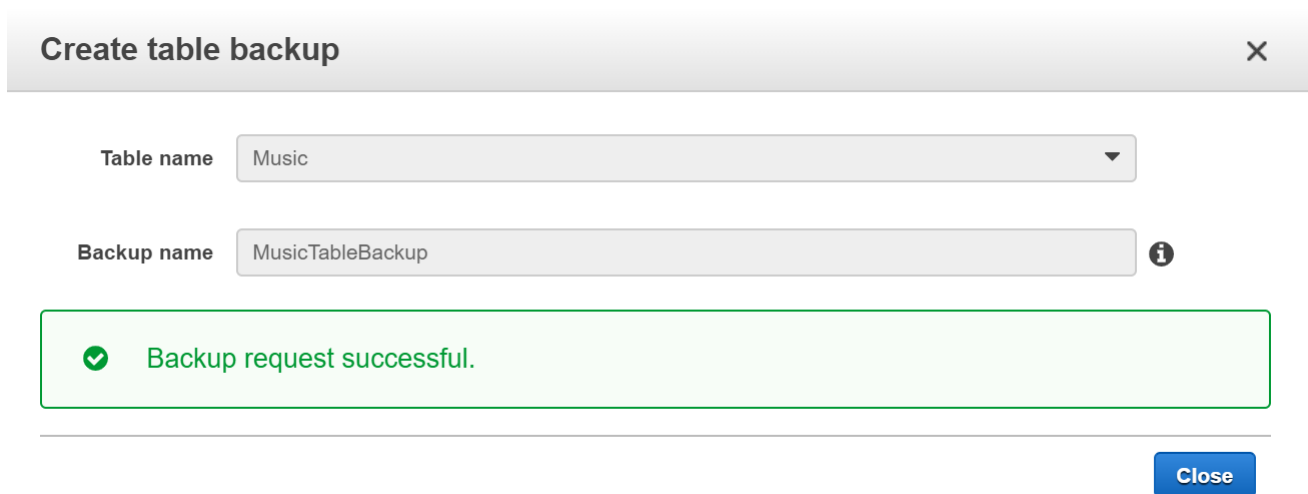


Create table backup [X]

Table name: Music

Backup name: MusicTableBackup [i]

Cancel Create



Create table backup [X]

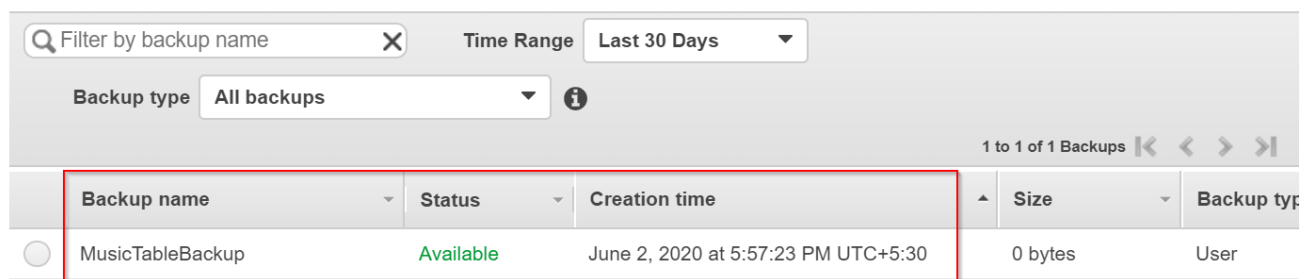
Table name: Music

Backup name: MusicTableBackup [i]

✓ Backup request successful.

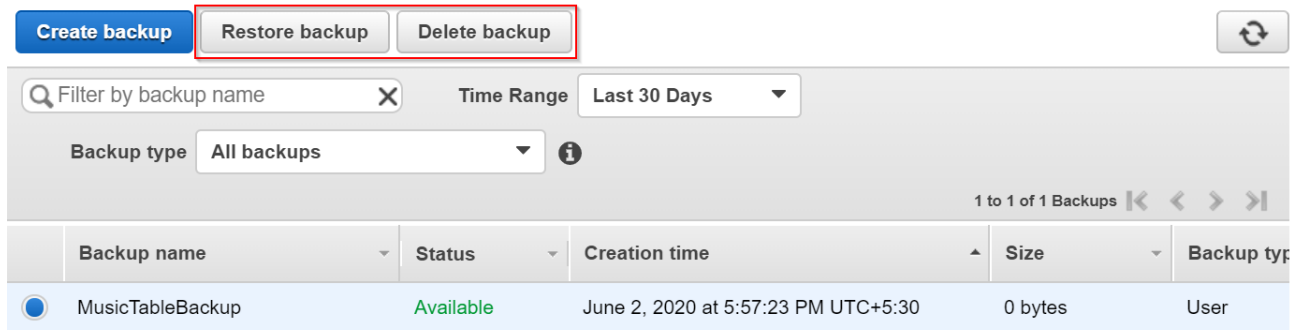
Close

Step 3: A backup will be created. Once the backup is complete, the status would be **Available**



Backup name	Status	Creation time	Size	Backup type
MusicTableBackup	Available	June 2, 2020 at 5:57:23 PM UTC+5:30	0 bytes	User

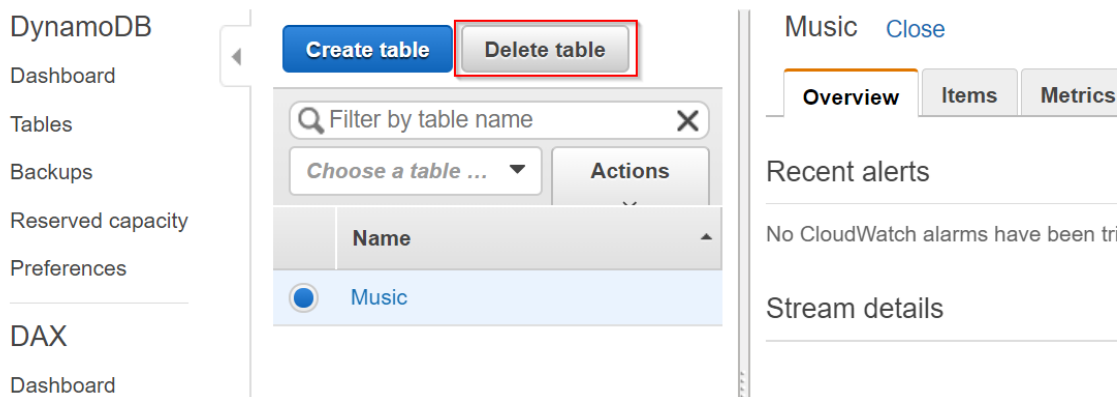
Step 4: Now, click on the created backup to reveal the **Restore backup** and **Delete backup** options



The screenshot shows the AWS Backup console. At the top, there are three buttons: 'Create backup', 'Restore backup', and 'Delete backup'. The 'Restore backup' and 'Delete backup' buttons are highlighted with a red box. Below the buttons is a search bar 'Filter by backup name' and a 'Time Range' dropdown set to 'Last 30 Days'. A 'Backup type' dropdown is set to 'All backups'. Below this is a table with one backup entry:

Backup name	Status	Creation time	Size	Backup type
MusicTableBackup	Available	June 2, 2020 at 5:57:23 PM UTC+5:30	0 bytes	User

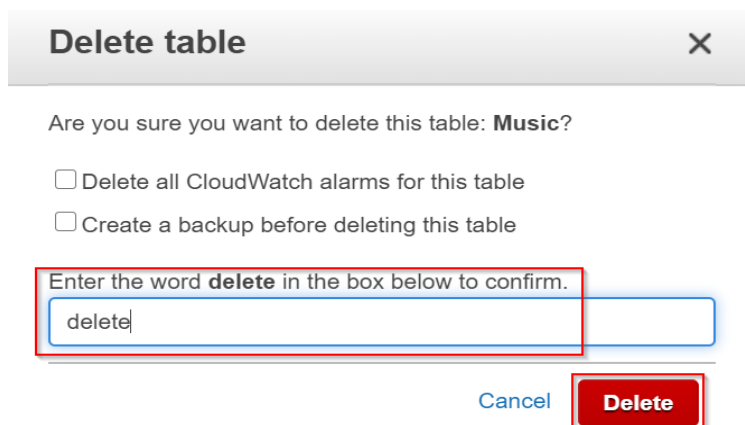
Step 5: Now, try out the **Restore Backup** option. First, delete the Music table, and then try restoring it back from the created backup



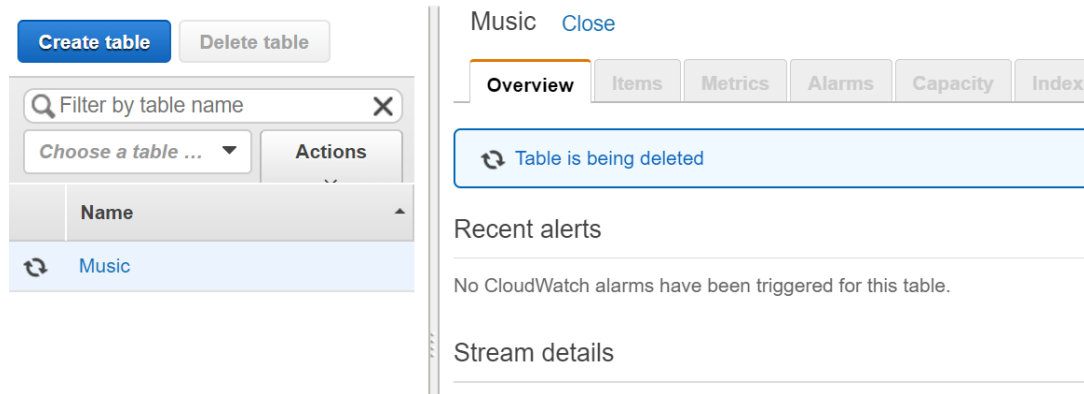
The screenshot shows the AWS DynamoDB console. On the left is a sidebar with navigation links: 'DynamoDB', 'Dashboard', 'Tables', 'Backups', 'Reserved capacity', 'Preferences', 'DAX', and 'Dashboard'. The 'Tables' link is selected. In the center, there is a 'Create table' button and a 'Delete table' button. The 'Delete table' button is highlighted with a red box. Below the buttons is a search bar 'Filter by table name' and a 'Choose a table ...' dropdown. Below the dropdown is a table with one table entry:

Name
Music

Once you click on the **Delete table** button, you will get a box; unselect the selected options because a backup is already available; then, type 'delete' in the empty space, and click on the **Delete** button



The screenshot shows the 'Delete table' confirmation dialog box. It has a title bar 'Delete table' with a close button. The main text asks: 'Are you sure you want to delete this table: **Music**?'. Below this are two checkboxes: 'Delete all CloudWatch alarms for this table' and 'Create a backup before deleting this table'. Both checkboxes are unchecked. Below the checkboxes is a text input field with the placeholder text 'Enter the word **delete** in the box below to confirm.' The input field contains the text 'delete'. Below the input field are two buttons: 'Cancel' and 'Delete'. The 'Delete' button is highlighted with a red box.



Music Close

Overview Items Metrics Alarms Capacity Indexes

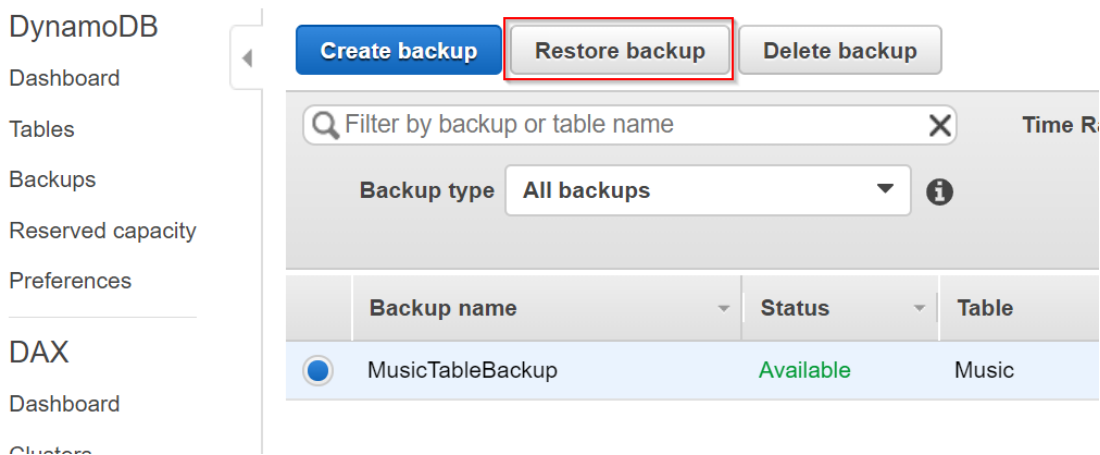
Table is being deleted

Recent alerts

No CloudWatch alarms have been triggered for this table.

Stream details

Step 6: The table is deleted. Now, try restoring the table from the backup created in **Step 2**; go to **Backups**, and click on the **Restore backup** option



DynamoDB

Dashboard

Tables

Backups

Reserved capacity

Preferences

DAX

Dashboard

Clusters

Create backup Restore backup Delete backup

Filter by backup or table name

Backup type All backups

Backup name	Status	Table
MusicTableBackup	Available	Music

Step 7: It will redirect to a different page where you only have to provide a new table name; leave the rest of the options to default, and click on **Restore table**

Restore table from backup ?

New table name* Music

☒ Restore entire table data

- Restored table will include all local secondary indexes and global secondary indexes.

☐ Restore without secondary indexes

- Restored table will exclude the local secondary indexes and global secondary indexes. Note: Restores can be faster and more cost efficient if you choose to exclude secondary indexes from being created.

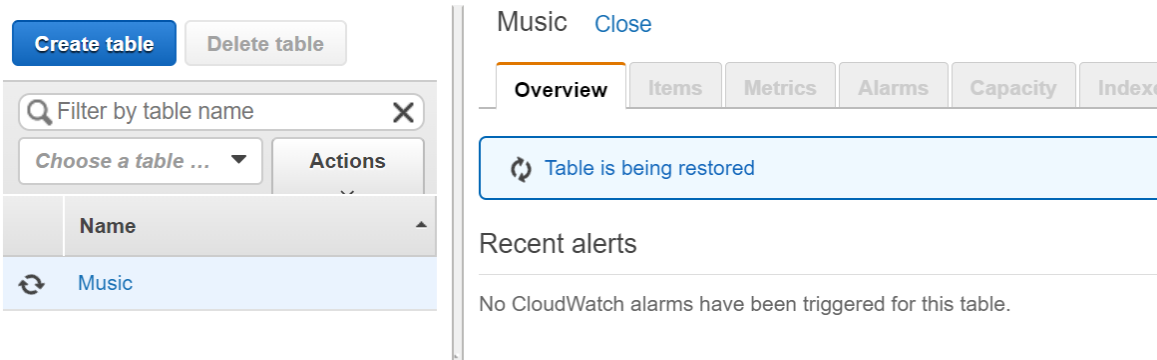
Cross region restore

☒ Same region

- Restore the table to the same AWS Region.

☐ Cross region

- Restore the table to a different AWS Region.



Music [Close](#)

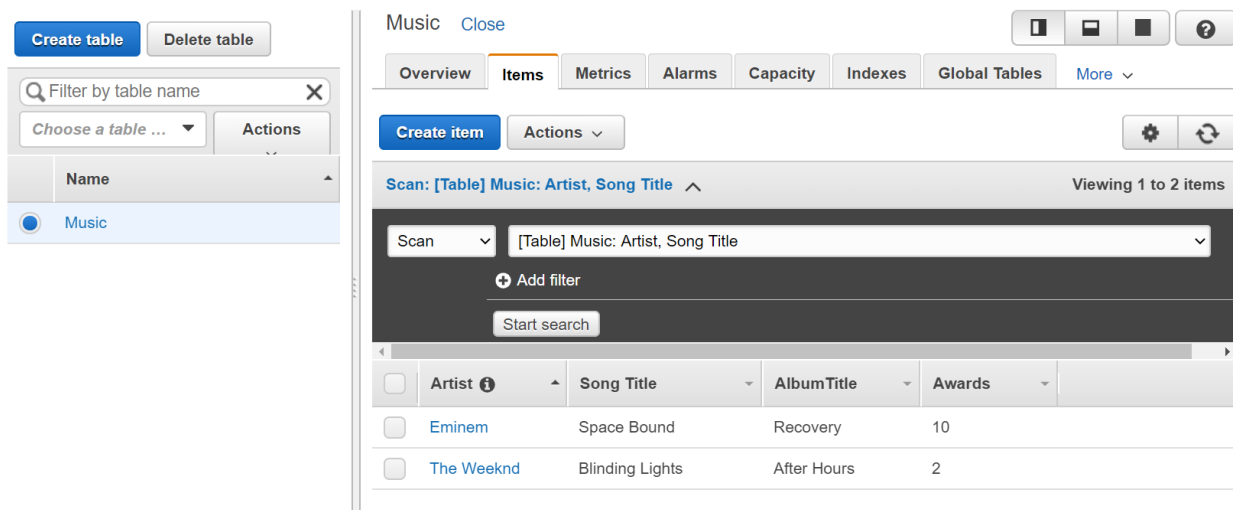
Overview Items Metrics Alarms Capacity Indexes

Table is being restored

Recent alerts

No CloudWatch alarms have been triggered for this table.

Step 8: If the table is a big one, it will take hours to restore. However, the table here has only two items, so it might take only a few minutes. Once it is completed, you will be able to see the items in the created table



Music [Close](#)

Overview **Items** Metrics Alarms Capacity Indexes Global Tables [More](#)

[Create item](#) [Actions](#)

Scan: [Table] Music: Artist, Song Title Viewing 1 to 2 items

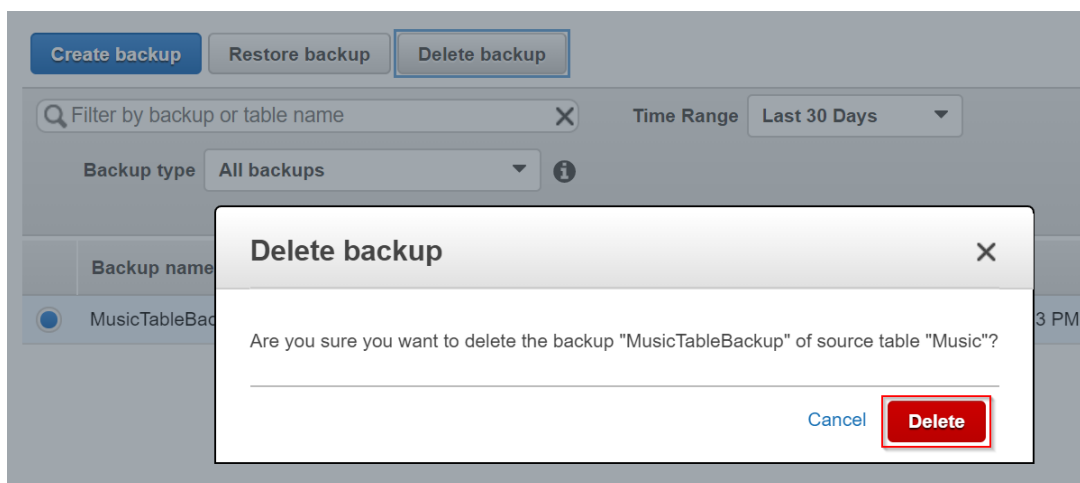
Scan [Table] Music: Artist, Song Title

+ Add filter

Start search

Artist	Song Title	AlbumTitle	Awards
Eminem	Space Bound	Recovery	10
The Weeknd	Blinding Lights	After Hours	2

Step 9: Now, try deleting the created backup



[Create backup](#) [Restore backup](#) [Delete backup](#)

Filter by backup or table name

Time Range: Last 30 Days

Backup type: All backups

Backup name: MusicTableBackup

Delete backup

Are you sure you want to delete the backup "MusicTableBackup" of source table "Music"?

[Cancel](#) [Delete](#)