

# Cloud Computing

## DynamoDB Implementation

### Task 1 :

Creating Serverless DynamoDB table, add entries and also query it.

Creation of new dynamo db table based on partition key

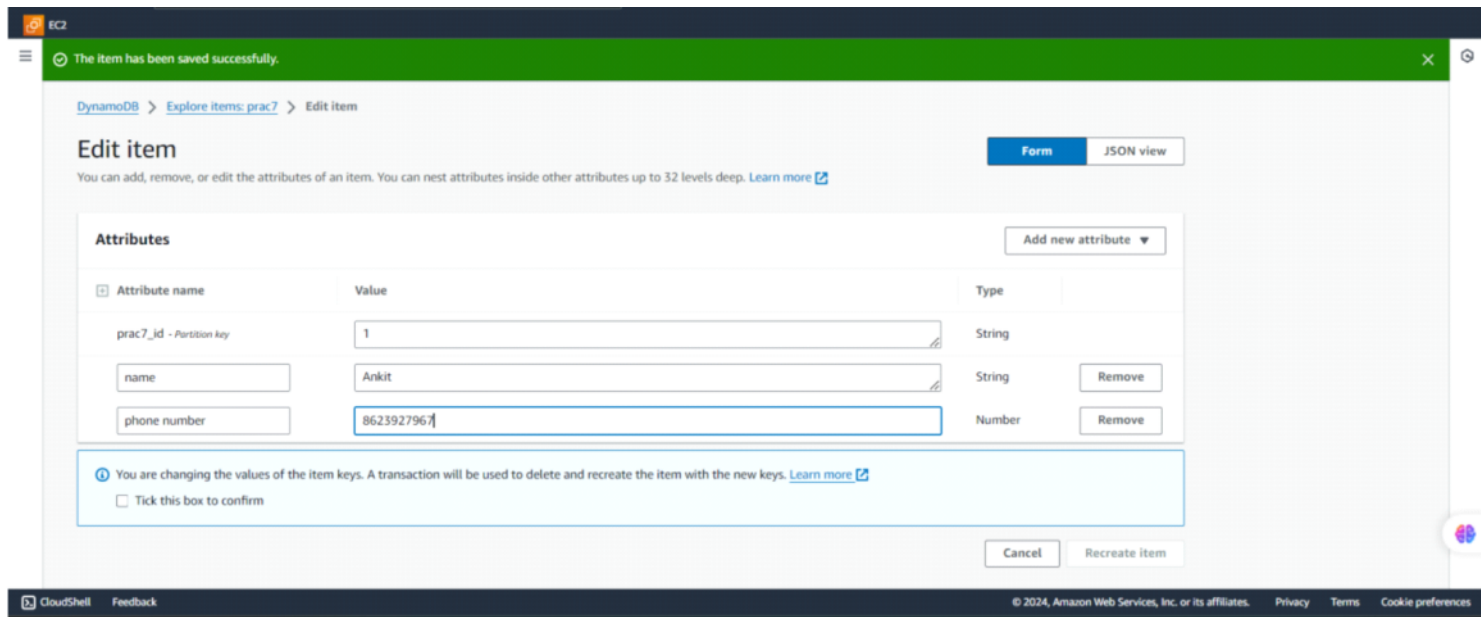
The screenshot shows the 'Create table' wizard in the AWS Management Console. The 'Table details' section is active, showing the table name 'prac7' and the partition key 'prac7\_id' of type 'String'. The 'Sort key - optional' section is also visible, with a placeholder 'Enter the sort key name' and a 'String' type dropdown.

Below the wizard, the 'Table settings' section is partially visible. At the bottom, a notification bar states: 'Creating the prac7 table. It will be available for use shortly.'

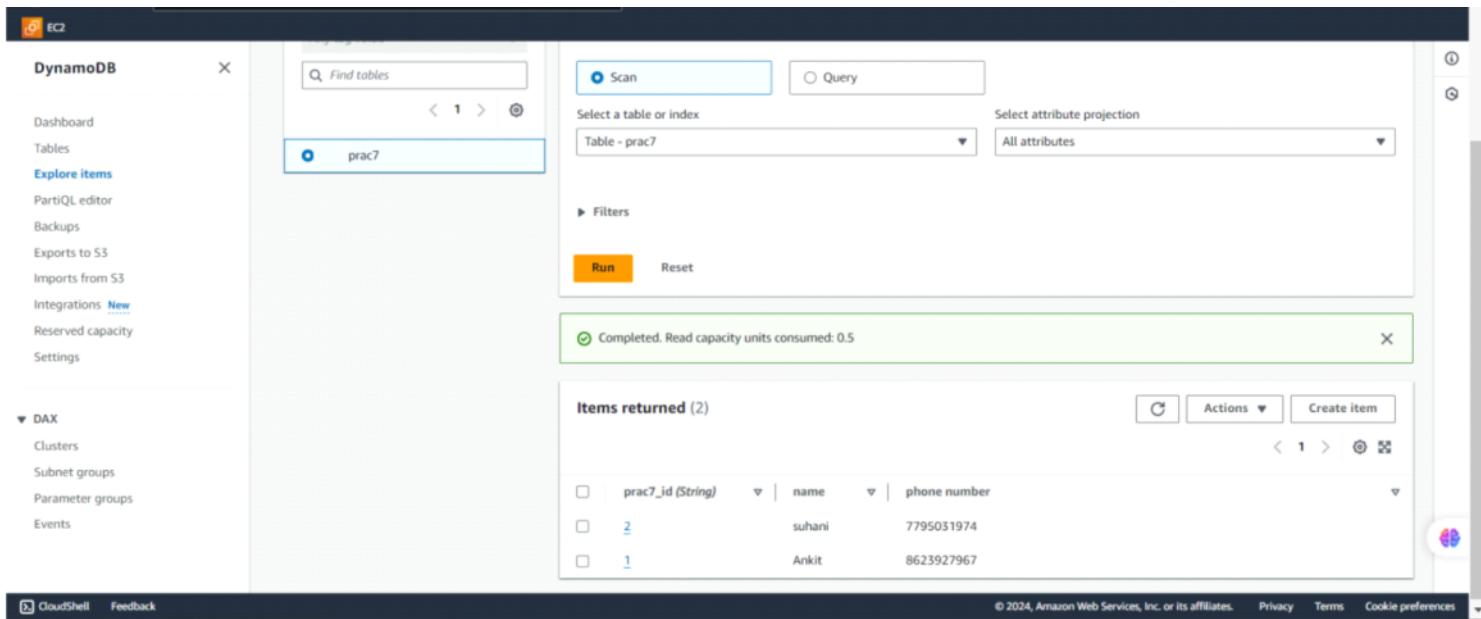
The bottom part of the screenshot shows the 'DynamoDB' console view. The left sidebar contains navigation links: Dashboard, Tables, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Integrations, Reserved capacity, Settings, DAX, Clusters, Subnet groups, Parameter groups, and Events. The main area displays a table of existing tables, with one table 'prac7' listed as 'Creating'.

Name	Status	Partition key	Sort key	Indexes	Deletion protection	Read capacity mode	Write capacity mode	Total size
prac7	Creating	prac7_id (S)	-	0	Off	Provisioned (5)	Provisioned (5)	0 bytes

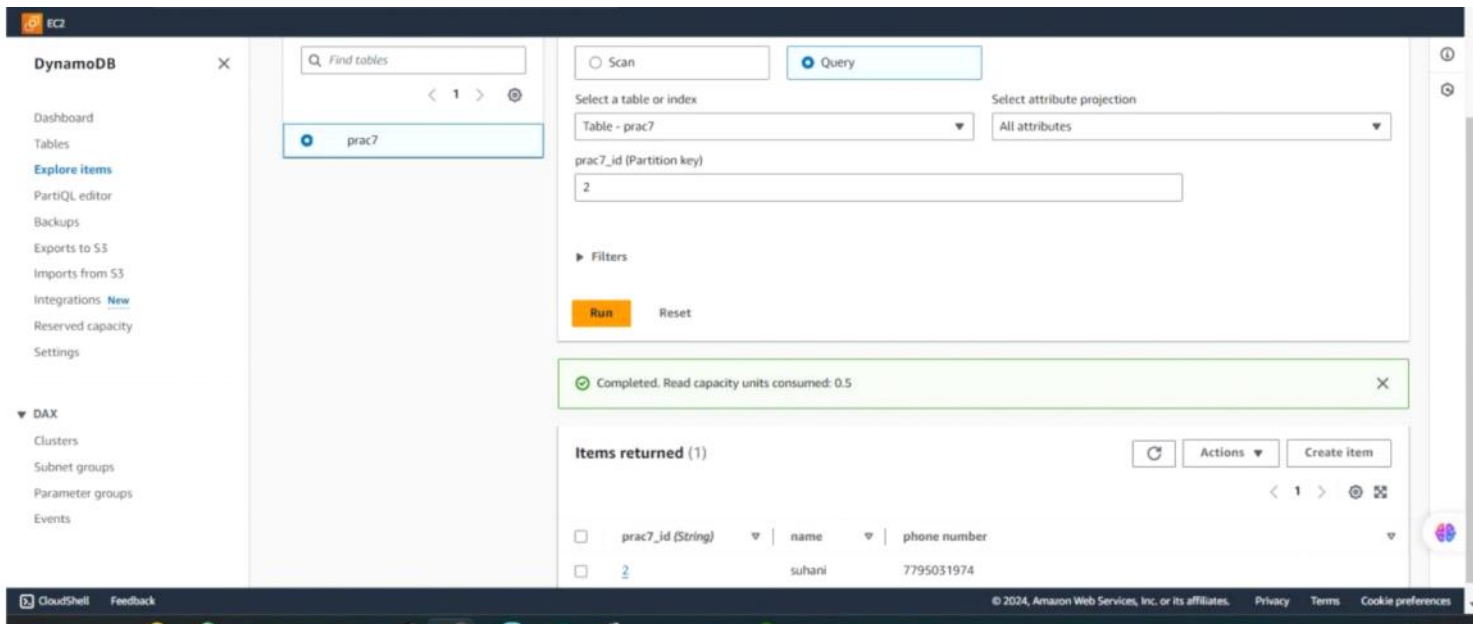
# Entering entries



Scan is used to scan the whole database

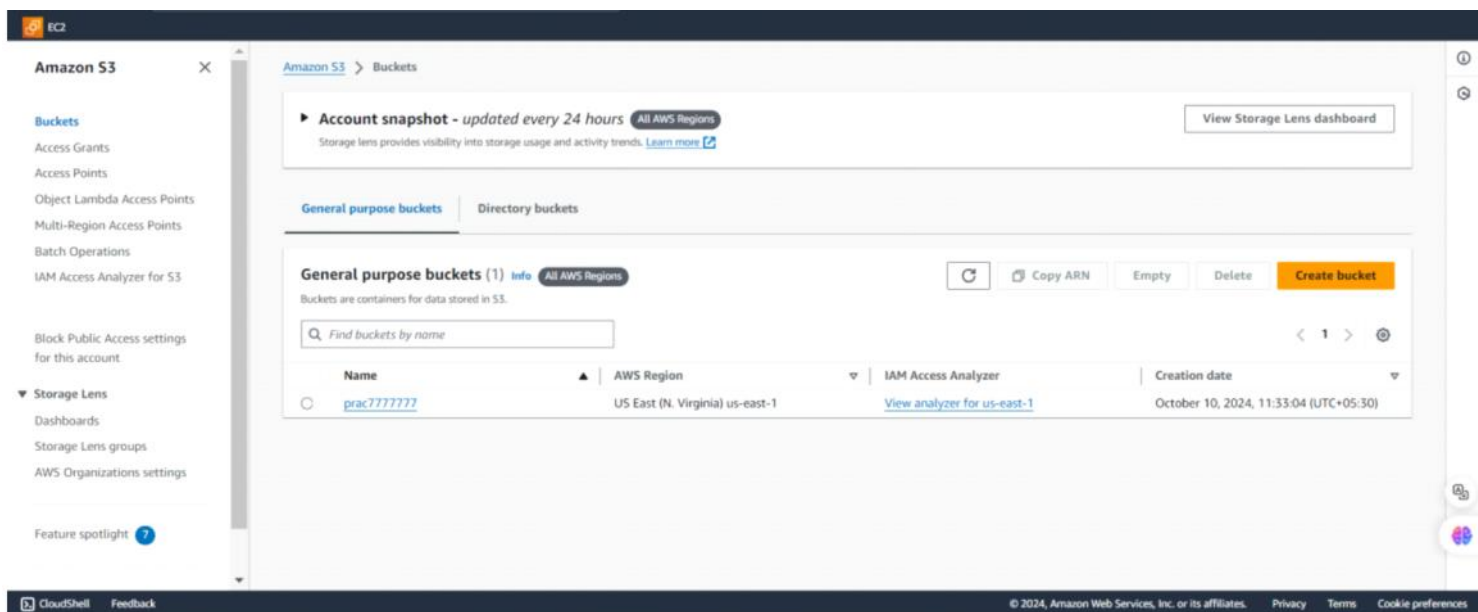


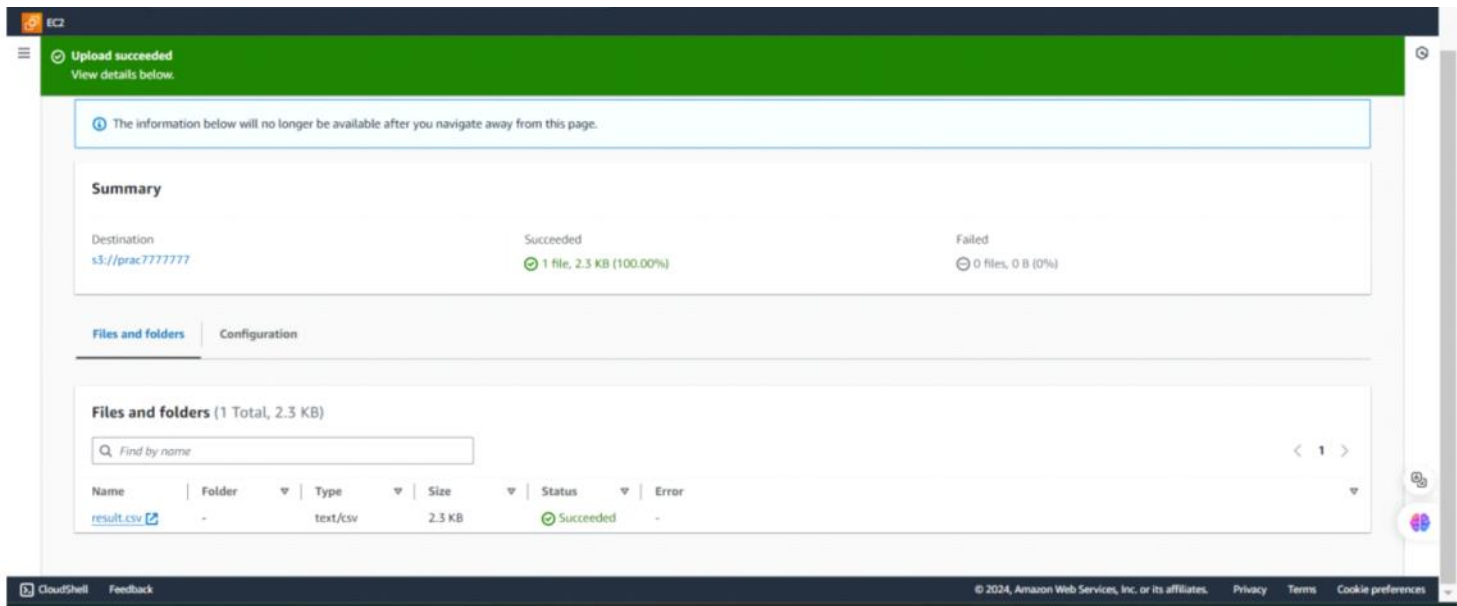
Whereas Query is used to find the particular row using partition key



## Task 2 :

Importing in s3 ( csv file of gaming dataset)





# Gaming Dataset

Rank																
Rank	Name	Platform	Year	Genre	Publisher	NA_Sales	EU_Sales	JP_Sales	Other_Sal	Global_Sales						
1	Wii Sports	Wii	2006	Sports	Nintendo	41.49	29.02	3.77	8.46	82.74						
2	Super Mario Bros.	NES	1985	Platform	Nintendo	29.08	3.58	6.81	0.77	40.24						
3	Mario Kart Wii	Wii	2008	Racing	Nintendo	15.85	12.88	3.79	3.31	35.82						
4	Wii Sports Wii	Wii	2009	Sports	Nintendo	15.75	11.01	3.28	2.96	33						
5	Pokemon GB	GB	1996	Role-Playing	Nintendo	11.27	8.89	10.22	1	31.37						
6	Tetris GB	GB	1989	Puzzle	Nintendo	23.2	2.26	4.22	0.58	30.26						
7	New Super Mario Bros. DS	DS	2006	Platform	Nintendo	11.38	9.23	6.5	2.9	30.01						
8	Wii Play	Wii	2006	Misc	Nintendo	14.03	9.2	2.93	2.85	29.02						
9	New Super Mario Bros. Wii	Wii	2009	Platform	Nintendo	14.59	7.06	4.7	2.26	28.62						
10	Duck Hunt	NES	1984	Shooter	Nintendo	26.93	0.63	0.28	0.47	28.31						
11	Nintendogs	DS	2005	Simulation	Nintendo	9.07	11	1.93	2.75	24.76						
12	Mario Kart DS	DS	2005	Racing	Nintendo	9.81	7.57	4.13	1.92	23.42						
13	Pokemon GB	GB	1999	Role-Playing	Nintendo	9	6.18	7.2	0.71	23.1						
14	Wii Fit	Wii	2007	Sports	Nintendo	8.94	8.03	3.6	2.15	22.72						
15	Wii Fit Plus	Wii	2009	Sports	Nintendo	9.09	8.59	2.53	1.79	22						
16	Kinect Adventure	X360	2010	Misc	Microsoft	14.97	4.94	0.24	1.67	21.82						
17	Grand Theft Auto 3	PS3	2013	Action	Take-Two	7.01	9.27	0.97	4.14	21.4						
18	Grand Theft Auto 2	PS2	2004	Action	Take-Two	9.43	0.4	0.41	10.57	20.81						
19	Super Mario Bros.	NES	1990	Platform	Nintendo	12.78	3.75	3.54	0.55	20.61						
20	Brain Age: DS	DS	2005	Misc	Nintendo	4.75	9.26	4.16	2.05	20.22						
21	Pokemon DS	DS	2006	Role-Playing	Nintendo	6.42	4.52	6.04	1.37	18.36						
22	Super Mario Bros.	GB	1989	Platform	Nintendo	10.83	2.71	4.18	0.42	18.14						
23	Super Mario Bros.	NES	1988	Platform	Nintendo	9.54	3.44	3.84	0.46	17.28						

# Importing s3 bucket in dynamo db

EC2

Step 1  
Import options

Step 2  
Specify table details

Step 3 - optional  
Configure table settings

Step 4  
Review and import

# Import options

Import data from an S3 bucket to a new DynamoDB table. The table can be in any AWS Region and owned by any account with read permissions. Extra charges may apply. [Learn more](#)

## Import details

Source S3 URL

Choose the Amazon S3 storage source to import from. You can specify a bucket or a path within the bucket.

View

Browse S3

Example formats: s3://countries/ or s3://countries/territories/

S3 bucket owner

☒ This AWS account (339712906534)

☐ A different AWS account

Import file compression

Choose the compression type that matches your source S3 data.

☒ No compression

☐ GZIP

☐ ZSTD

Import file format

Choose the file format that matches your Amazon S3 storage source.

CloudShell

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Your feedback is an important part of helping us provide a better customer experience. Take this short survey to let us know how we're doing.

Your import of s3://prac7777777 to myData is in progress.

DynamoDB

Imports from S3

## Imports from S3 (2)

This table shows all import jobs from the last 90 days.

Import ID	Table	Format	Status	Import job start time	End time
<a href="#">01728541417272-c157a9d6</a>	myData	CSV	Importing	Oct 10, 2024, 11:53:37 (UTC+05:30)	-
<a href="#">01728540736943-017d9c36</a>	ProductCatalog-sample-data	CSV	Failed	Oct 10, 2024, 11:42:16 (UTC+05:30)	Oct 10, 2024, 11:43:56 (UTC+05:30)

Import from S3

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Share your feedback on Amazon DynamoDB

Your feedback is an important part of helping us provide a better customer experience. Take this short survey to let us know how we're doing.

You successfully imported s3://prac7777777.

DynamoDB

Imports from S3

## Imports from S3 (2)

This table shows all import jobs from the last 90 days.

Import ID	Table	Format	Status	Import job start time	End time
<a href="#">01728541417272-c157a9d6</a>	myData	CSV	Importing	Oct 10, 2024, 11:53:37 (UTC+05:30)	-
<a href="#">01728540736943-017d9c36</a>	ProductCatalog-sample-data	CSV	Failed	Oct 10, 2024, 11:42:16 (UTC+05:30)	Oct 10, 2024, 11:43:56 (UTC+05:30)

Import from S3

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Share your feedback on Amazon DynamoDB

Share feedback

Your feedback is an important part of helping us provide a better customer experience. Take this short survey to let us know how we're doing.

DynamoDB > Tables

Tables (1) Info

Find tables

Any tag key

Any tag value

< 1 >

Name ▲

Status

Partition key

Sort key

Indexes

Deletion protection

Read capacity mode

Write capacity mode

Total size

Table class

myData

Active

Rank (S)

-

0

Off

Provisioned (5)

Provisioned (5)

0 bytes

Standard

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Items returned (50)

Actions

Create item

< 1 >

	Rank (String)	EU_Sales	Genre	Global_Sales	JP_Sales	NA_Sales	Name
<input type="checkbox"/>	<a href="#">3635</a>	0.01	Action	0.55	0.15	0.34	Metal
<input type="checkbox"/>	<a href="#">228</a>	1.95	Action	4.67	0.08	1.94	The Lo
<input type="checkbox"/>	<a href="#">9990</a>	0.02	Shooter	0.12	0	0.09	Die Ha
<input type="checkbox"/>	<a href="#">1668</a>	0.46	Action	1.2	0	0.59	The Lo
<input type="checkbox"/>	<a href="#">6508</a>	0	Fighting	0.27	0.27	0	Bishou
<input type="checkbox"/>	<a href="#">9970</a>	0.02	Action	0.12	0	0.09	Barrya
<input type="checkbox"/>	<a href="#">8006</a>	0.05	Sports	0.18	0	0.13	Sports
<input type="checkbox"/>	<a href="#">4274</a>	0.19	Action	0.46	0	0.19	Star W
<input type="checkbox"/>	<a href="#">15778</a>	0	Adventure	0.02	0.02	0	Dunan
<input type="checkbox"/>	<a href="#">6239</a>	0	Misc	0.28	0	0.25	AC/DC

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