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30143862

MS4S21 – Assessment 2

This document validates the execution of five specific queries on the **30143862datasafeinsurance-db** DynamoDB table. For each query, the result was downloaded as a CSV and uploaded to the S3 bucket 30143862-data-safe-insurance-bucket.

The screenshot shows the AWS DynamoDB console with the following details:

- Left Sidebar:** Shows the "DynamoDB" navigation bar with options like Dashboard, Tables, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Integrations, Reserved capacity, and Settings.
- Table Selection:** Under "Tables (1)", the "30143862-data-safe-insurance-db" table is selected.
- Scan or Query Items:** The "Scan" button is selected. Other options include "Query", "Select a table or index", "Select attribute projection", and "Filters - optional".
- Completion Status:** A message indicates a completed scan: "Completed - Items returned: 36 - Items scanned: 36 - Efficiency: 100% - RCUs consumed: 17.5".
- Table Data:** The table is titled "Table: 30143862-data-safe-insurance-db - Items returned (36)". It lists 36 items with the following data:

Client Username (String)	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025
Rodriguez_M	0	1200	0	0
Mueller_F	640	680	2800	2880
Bernard_T	0	480	0	2300
Mountain_Tours	1800	1950	64000	64100
Ahmed_Family	720	778	0	4300

Query 1: Accounts with no claims in 2024 but at least one claim in 2025.

Click "Add filter".

Set two conditions:

Claims Filed 2024 = 0

Claims Filed 2025 >= 1

30143862query1											
1	Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
2	Bernard_T	0	480	0	2300	0	1	FR	1	Auto	N
3	Ahmed_Family	720	778	0	4300	0	1	UK	2	Home	Y
4	Martinez_R	580	625	0	2100	0	1	US	5	Auto	N
5	Lefevre_Family	650	705	5	9410	0	1	FR	4	Home	N
6	Sharma_V	220	231	0	500	0	1	UK	2	Travel	N
7	Apex_Group	1050	1200	0	6000	0	1	US	2	Commercial	N
8	Patel_S	380	405	0	2443	0	1	UK	2	Auto	N
9	Petit_Holdings	1150	1250	0	12000	0	1	FR	2	Commercial	Y
10	Lyon_Enterprises	0	1200	0	6000	0	1	FR	1	Commercial	N
11	Phillips_T	0	380	0	1960	0	1	US	1	Auto	N
12	Westbrook_Inc	850	902	0	21033	0	1	FR	4	Home	Y
13	Chang_L	290	310	0	831	0	1	DE	3	Travel	N
14	Weber_Family	1000	1100	0	8930	0	1	DE	4	Home	Y
15	Singh_Family	850	950	0	16700	0	1	US	4	Home	Y

Query 2: US accounts with claim amount < £40,000 in 2025

Client Country = US

Claim Amount 2025 < 40000

The screenshot shows the AWS DynamoDB console interface. On the left, there's a sidebar with navigation links like 'Dashboard', 'Tables', 'Explore items', 'PartiQL editor', 'Backups', 'Exports to S3', 'Imports from S3', 'Integrations', 'Reserved capacity', and 'Settings'. The main area is titled '30143862-data-safe-insurance-db' and contains a 'Scan or query items' section. It shows two filters applied: 'Client Country' set to 'Equal to' 'US' and 'Claim Amount' set to 'Less than' '40000'. Below the filters, there are 'Run' and 'Reset' buttons. A green status bar at the bottom indicates 'Completed - Items returned: 6 - Items scanned: 36 - Efficiency: 16.67% - RCU consumed: 17.5'. Below this, a table titled 'Table: 30143862-data-safe-insurance-db - Items returned (6)' lists six rows of data. The table has columns: Client Username (String), Annual Premium 2024, Annual Premium 2025, Claim Amount 2024, Claim Amount 2025, Claims Filed 2024, Claims Filed 2025, Client Country, Client Tenure, Policy Type, and Premium Plan. The data is as follows:

Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
Rodriguez_M	0	1200	0	0	0	0	US	1	Life	Y
Martinez_R	580	625	0	2100	0	1	US	5	Auto	N
Thompson_K	490	543	1200	2280	1	1	US	3	Auto	N
Apex_Group	1050	1200	0	6000	0	1	US	2	Commercial	N
Phillips_T	0	380	0	1960	0	1	US	1	Auto	N
Singh_Family	850	950	0	16700	0	1	US	4	Home	Y

Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
Rodriguez_M	0	1200	0	0	0	0	US	1	Life	Y
Martinez_R	580	625	0	2100	0	1	US	5	Auto	N
Thompson_K	490	543	1200	2280	1	1	US	3	Auto	N
Apex_Group	1050	1200	0	6000	0	1	US	2	Commercial	N
Phillips_T	0	380	0	1960	0	1	US	1	Auto	N
Singh_Family	850	950	0	16700	0	1	US	4	Home	Y

Query 3: Home Policy with Premium Plan

Policy Type = Home Premium

Plan = Y

The screenshot shows the AWS DynamoDB Item Explorer interface. On the left, there's a sidebar with 'DynamoDB' and 'DAX' sections. The main area is titled '30143862-data-safe-insurance-db' and contains a 'Scan or query items' section. Two filters are applied: 'Policy Type' set to 'Equal to' 'String' 'Home' and 'Premium Plan' set to 'Equal to' 'String' 'Y'. A 'Run' button is present. Below the filters, a message says 'Completed - Items returned: 7 - Items scanned: 36 - Efficiency: 19.44% - RCU consumed: 17.5'. A table titled 'Table: 30143862-data-safe-insurance-db - Items returned (7)' follows, showing the following data:

Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
Ahmed_Family	720	778	0	4300	0	1	UK	2	Home	Y
Moreau_Family	1300	1411	35000	35153	1	2	FR	6	Home	Y
Wilson_Family	1350	1450	28000	30334	1	1	UK	7	Home	Y
Westbrook_Inc	850	902	0	21033	0	1	FR	4	Home	Y
Johnson_Family	1100	1230	35000	63801	1	2	US	7	Home	Y
Weber_Family	1000	1100	0	8930	0	1	DE	4	Home	Y
Singh_Family	850	950	0	16700	0	1	US	4	Home	Y

30143862query3											
1	Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
2	Ahmed_Family	720	778	0	4300	0	1	UK	2	Home	Y
3	Moreau_Family	1300	1411	35000	35153	1	2	FR	6	Home	Y
4	Wilson_Family	1350	1450	28000	30334	1	1	UK	7	Home	Y
5	Westbrook_Inc	850	902	0	21033	0	1	FR	4	Home	Y
6	Johnson_Family	1100	1230	35000	63801	1	2	US	7	Home	Y
7	Weber_Family	1000	1100	0	8930	0	1	DE	4	Home	Y
8	Singh_Family	850	950	0	16700	0	1	US	4	Home	Y

Query 4: Premium > £1000 for both 2024 and 2025

Annual Premium 2024 > 1000

Annual Premium 2025 > 1000

The screenshot shows the AWS DynamoDB console with the following details:

- Left Sidebar:** Shows the 'DynamoDB' dashboard with links for Dashboard, Tables, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Integrations, Reserved capacity, and Settings.
- Middle Section:**
 - Tables (1):** Shows the table '30143862-data-safe-insurance-db' selected.
 - Scan or query items:** Set to 'Scan'. Filters are applied to 'Annual Premium' for both 2024 and 2025, both set to 'Greater than' with value '1000'.
 - Completed:** Items returned: 17 - Items scanned: 36 - Efficiency: 47.22% - RCU consumed: 17.5
- Bottom Section:** A table titled 'Table: 30143862-data-safe-insurance-db - Items returned (17)' showing the following data:

	Client Username (String)	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
1	Mountain_Tours	1800	1950	64000	64100	1	1	DE	6	Commercial	Y
2	Schmidt_GmbH	1400	1512	18000	30600	1	2	DE	5	Commercial	N
3	Moreau_Family	1300	1411	35000	35153	1	2	FR	6	Home	Y
4	Waterston_Group	2400	2550	110000	102335	2	2	UK	9	Commercial	Y
5	Oxford_Properties	3600	3870	120000	236284	1	2	UK	8	Commercial	Y
6	Becker_Systems	2900	3100	140000	148300	2	2	DE	8	Commercial	Y
7	Fischer_Group	2800	2997	75000	153441	1	2	DE	8	Commercial	Y
8	Dubois_Associates	1800	1921	30000	35016	1	2	FR	5	Commercial	Y
9	Apex_Group	1050	1200	0	6000	0	1	US	2	Commercial	N
10	Martin_Group	1950	2104	8500	8300	1	1	FR	9	Commercial	N
11	Petit_Holdings	1150	1250	0	12000	0	1	FR	2	Commercial	Y
12	Wilson_Family	1350	1450	28000	30334	1	1	UK	7	Home	Y
13	Barrett_Holdings	1650	1800	0	0	0	0	UK	3	Commercial	Y
14	Johnson_Family	1100	1230	35000	63801	1	2	US	7	Home	Y
15	Davies_Ltd	1350	1480	15000	20000	1	1	UK	3	Commercial	Y
16	Neumann_AG	4200	4560	280000	280012	3	3	DE	12	Commercial	Y
17	Berlin_Properties	3600	3870	200000	323441	2	3	DE	10	Commercial	Y

30143862query4											
1	Client Username	Annual Premium 2024	Annual Premium 2025	Claim Amount 2024	Claim Amount 2025	Claims Filed 2024	Claims Filed 2025	Client Country	Client Tenure	Policy Type	Premium Plan
2	Mountain_Tours	1800	1950	64000	64100	1	1	DE	6	Commercial	Y
3	Schmidt_GmbH	1400	1512	18000	30600	1	2	DE	5	Commercial	N
4	Moreau_Family	1300	1411	35000	35153	1	2	FR	6	Home	Y
5	Waterston_Group	2400	2550	110000	102335	2	2	UK	9	Commercial	Y
6	Oxford_Properties	3600	3870	120000	236284	1	2	UK	8	Commercial	Y
7	Becker_Systems	2900	3100	140000	148300	2	2	DE	8	Commercial	Y
8	Fischer_Group	2800	2997	75000	153441	1	2	DE	8	Commercial	Y
9	Dubois_Associates	1800	1921	30000	35016	1	2	FR	5	Commercial	Y
10	Apex_Group	1050	1200	0	6000	0	1	US	2	Commercial	N
11	Martin_Group	1950	2104	8500	8300	1	1	FR	9	Commercial	N
12	Petit_Holdings	1150	1250	0	12000	0	1	FR	2	Commercial	Y
13	Wilson_Family	1350	1450	28000	30334	1	1	UK	7	Home	Y
14	Barrett_Holdings	1650	1800	0	0	0	0	UK	3	Commercial	Y
15	Johnson_Family	1100	1230	35000	63801	1	2	US	7	Home	Y
16	Davies_Ltd	1350	1480	15000	20000	1	1	UK	3	Commercial	Y
17	Neumann_AG	4200	4560	280000	280012	3	3	DE	12	Commercial	Y
18	Berlin_Properties	3600	3870	200000	323441	2	3	DE	10	Commercial	Y

Query 5: Detect impossible claim amount in 2024

Claim Amount 2024 > 1000000

There is no result for this query because of impossible claim amount.

The screenshot shows the AWS DynamoDB console interface. On the left, there's a navigation sidebar with 'DynamoDB' selected, followed by 'Dashboard', 'Tables', 'Explore items', 'PartiQL editor', 'Backups', 'Exports to S3', 'Imports from S3', 'Integrations', 'Reserved capacity', and 'Settings'. Below that is a 'DAX' section with 'Clusters', 'Subnet groups', 'Parameter groups', and 'Events'. The main area is titled '30143862-data-safe-insurance-db'. It has a 'Scan or query items' section with 'Scan' selected, a 'Select a table or index' dropdown set to 'Table - 30143862-data-safe-insurance-db', and a 'Select attribute projection' dropdown set to 'All attributes'. There's also a 'Filters - optional' section with a single filter: 'Attribute name: Claim Amount', 'Condition: Greater than', 'Type: Number', and 'Value: 1000000'. A 'Run' button is present. Below this is a green status bar saying 'Completed - Items returned: 0 - Items scanned: 36 - Efficiency: 0% - RCU consumed: 17.5'. Underneath is a table titled 'Table: 30143862-data-safe-insurance-db - Items returned (0)' with a note 'Scan started on May 25, 2025, 12:14:52'. The table body says 'No items' and 'No items to display.' with a 'Create item' button. At the bottom of the page are links for 'CloudShell', 'Feedback', '© 2025, Amazon Web Services, Inc. or its affiliates.', 'Privacy', 'Terms', and 'Cookie preferences'.

Each result was downloaded in CSV format and uploaded to the 30143862datasafeinsurancebucket.

The screenshot shows the AWS S3 'Upload objects' interface. At the top, there are three tabs: 'Launch AWS Academy Learn...', 'Items | Amazon DynamoDB', and 'Upload objects - S3 bucket'. The current tab is 'Upload objects - S3 bucket'. The URL in the address bar is 'us-east-1.console.aws.amazon.com/s3/upload/30143862-data-safe-insurance-bucket?region=us-east-1&bucketType=general'. The navigation bar shows 'Amazon S3 > Buckets > 30143862-data-safe-insurance-bucket > Upload'. The main area is titled 'Upload' with a 'Info' link. It says 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)'. Below this is a dashed blue box containing the instruction 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.' A table titled 'Files and folders (5 total, 3.9 KB)' lists five CSV files: '30143862query1.csv', '30143862query2.csv', '30143862query3.csv', '30143862query4.csv', and '30143862query5.csv'. The table includes columns for Name, Folder, Type, and Size. To the right of the table are buttons for 'Remove', 'Add files', and 'Add folder'. Below the table is a section titled 'Destination' with an 'Info' link. It shows the destination as 's3://30143862-data-safe-insurance-bucket'. Under 'Destination details', it says 'Bucket settings that impact new objects stored in the specified destination.' There are sections for 'Permissions' (with a note about granting public access) and 'Properties' (with a note about specifying storage class, encryption settings, tags, and more). At the bottom right are 'Cancel' and 'Upload' buttons. The footer includes links for 'CloudShell', 'Feedback', and copyright information: '© 2025, Amazon Web Services, Inc. or its affiliates.', 'Privacy', 'Terms', and 'Cookie preferences'.

Launch AWS Academy Learn Items | Amazon DynamoDB M Upload objects - S3 bucket +

us-east-1.console.aws.amazon.com/s3/upload/30143862-data-safe-insurance-bucket?region=us-east-1&bucketType=general

aws Search [Option+S] United States (N. Virginia) v vocabs/user3964828=30143862@students.southwales.ac.uk @ 2425... v

Upload: status

After you navigate away from this page, the following information is no longer available.

Summary

Destination	Succeeded	Failed
s3://30143862-data-safe-insurance-bucket	5 files, 3.9 KB (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (5 total, 3.9 KB)

Name	Folder	Type	Size	Status	Error
30143862query2.csv	-	text/csv	602.0 B	Succeeded	-
30143862query3.csv	-	text/csv	702.0 B	Succeeded	-
30143862query4.csv	-	text/csv	1.5 KB	Succeeded	-
30143862query5.csv	-	text/csv	3.0 B	Succeeded	-
30143862query1.csv	-	text/csv	1.1 KB	Succeeded	-

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Launch AWS Academy Learn Items | Amazon DynamoDB M 30143862-data-safe-insurance-bucket +

us-east-1.console.aws.amazon.com/s3/buckets/30143862-data-safe-insurance-bucket?region=us-east-1&bucketType=general&tab=objects

aws Search [Option+S] United States (N. Virginia) v vocabs/user3964828=30143862@students.southwales.ac.uk @ 2425... v

Amazon S3 > Buckets > 30143862-data-safe-insurance-bucket

30143862-data-safe-insurance-bucket [Info](#)

General purpose buckets

- Directory buckets
- Table buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight 11

AWS Marketplace for S3

Objects (6)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
30143862query1.csv	csv	May 25, 2025, 12:26:29 (UTC+01:00)	1.1 KB	Standard
30143862query2.csv	csv	May 25, 2025, 12:26:28 (UTC+01:00)	602.0 B	Standard
30143862query3.csv	csv	May 25, 2025, 12:26:28 (UTC+01:00)	702.0 B	Standard
30143862query4.csv	csv	May 25, 2025, 12:26:28 (UTC+01:00)	1.5 KB	Standard
30143862query5.csv	csv	May 25, 2025, 12:26:28 (UTC+01:00)	3.0 B	Standard
insurance-dataset-2024-2025-dataset.json	json	May 25, 2025, 11:20:45 (UTC+01:00)	23.7 KB	Standard

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