Self-Study Guide: Solving the Missing Dragon Ball Mystery

To access the Azure SQL database, download Azure SQL Studio. You can download it for free.

Use this server: skills4it.database.windows.net

Username: user32

Password: globalphoenix2024!

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The legendary **4-star Dragon Ball**, known as a symbol of hope and power, has mysteriously disappeared. Without it, the warriors of Earth cannot summon Shenron, the eternal dragon, to grant a crucial wish that could save the planet. You, an aspiring investigator, have been called upon to solve this mystery.

Your mission:

1. Identify who might have taken the Dragon Ball.
2. Determine where the Dragon Ball was last seen or handled.
3. Analyze the evidence to connect suspects, locations, and the missing Dragon Ball.

To succeed, you'll delve into the database of the **Dragon Ball Z world**, using SQL queries to build a timeline of events, analyze evidence, and unearth the truth. The fate of the universe depends on your skills!

Exercise 1: Familiarize Yourself with the Data

Goal: Understand the structure and contents of the tables.

The investigation starts by understanding the key players and the settings where events took place.

Step 1: List all citizens, their roles, and power levels.

Who are the key figures in this case?

Step 2: List all locations and their descriptions.

What are the significant places where the mystery unfolds?

Step 3: View the status of the Dragon Balls.

What's the current state of the 4-star Dragon Ball?

Goal: Build a timeline of events using observations.

The Artifact Room, where the Dragon Balls were displayed, was bustling with activity on the day of the disappearance. Could someone's movements provide a clue?

Step 1: List all observations, including who was seen, where, and when.

Who was where, and what were they doing?

SELECT * FROM DBZ_Observations;

Step 2: Identify observations made near the Artifact Room (LocationID = 5).

Who was seen near the Dragon Ball display?

SELECT * FROM DBZ_Observations WHERE LocationID = 5;

Exercise 3: Analyze Evidence

Goal: Understand connections between evidence, locations, and Dragon Balls.

The Artifact Room has yielded some intriguing clues. It's time to examine the evidence.

Step 1: List all evidence descriptions and their associated locations.

What clues have been uncovered?

SELECT * FROM DBZ_Evidence;

Step 2: Find evidence specifically related to the missing 4-star Dragon Ball (DragonBallID = 1).

Which evidence directly ties to the missing Dragon Ball?
SELECT * FROM DBZ_Evidence WHERE DragonBallID = 1;

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Exercise 4: Combine Observations and Evidence

Goal: Identify suspects based on evidence and observations.

By linking observations to evidence, you can start narrowing down suspects.

Step 1: Match citizens observed at the Launch Pad (LocationID = 4) with evidence found there.

Was anyone connected to the Launch Pad's faint energy signature?

SELECT O.CitizenID, C.Name, O.Description AS Observation, E.Description AS Evidence

FROM DBZ_Observations O

JOIN DBZ_Evidence E ON O.LocationID = E.LocationID

JOIN DBZ_Citizens C ON O.CitizenID = C.CitizenID

WHERE O.LocationID = 4;

Step 2: Who was seen guarding the Dragon Balls and what evidence supports their innocence or guilt?

Did the guards near the Artifact Room leave behind any clues?

SELECT O.CitizenID, C.Name, O.Description AS Observation, E.Description AS Evidence

FROM DBZ_Observations O

JOIN DBZ_Evidence E ON O.LocationID = E.LocationID

JOIN DBZ_Citizens C ON O.CitizenID = C.CitizenID

WHERE O.LocationID = 5;

Exercise 5: Power Levels and Motivation

Goal: Analyze the suspects' power levels and roles for potential motives.

The strength of potential suspects could help determine who had the means to carry out the heist.

Step 1: List all citizens observed in suspicious locations, along with their power levels.

Which powerful individuals were near suspicious locations?

SELECT O.CitizenID, C.Name, C.PowerLevel, O.LocationID, L.Name AS Location, O.Description

FROM DBZ_Observations O

JOIN DBZ_Citizens C ON O.CitizenID = C.CitizenID

JOIN DBZ_Locations L ON O.LocationID = L.LocationID

WHERE O.LocationID IN (4, 5);

Step 2: Rank suspects based on power levels in descending order.

Who had the power to pull off this theft?

SELECT C.CitizenID, C.Name, C.Role, C.PowerLevel

FROM DBZ_Citizens C

WHERE C.CitizenID IN (

    SELECT CitizenID FROM DBZ_Observations WHERE LocationID IN (4, 5)

)

ORDER BY C.PowerLevel DESC;
|

Exercise 6: Solve the Mystery

Goal: Synthesize findings to identify the culprit.

With all the clues gathered, it's time to name the culprit and locate the Dragon Ball.

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Step 1: Who was near the Artifact Room, had a high power level, and is linked to evidence?

SELECT O.CitizenID, C.Name, C.Role, C.PowerLevel, O.Description AS Observation, E.Description AS Evidence

FROM DBZ_Observations O

JOIN DBZ_Citizens C ON O.CitizenID = C.CitizenID

JOIN DBZ_Evidence E ON O.LocationID = E.LocationID

WHERE O.LocationID = 5

  AND C.PowerLevel > 5000;

Step 2: Summarize findings to identify the location of the Dragon Ball.

SELECT L.LocationID, L.Name, E.Description AS Evidence

FROM DBZ_Locations L

JOIN DBZ_Evidence E ON L.LocationID = E.LocationID

WHERE E.DragonBallID = 1;

Solution

The Story's Conclusion

After analyzing the data:

- **Culprit:** Frieza

- **Motive:** To seize control over Earth by denying its warriors access to Shenron.

- **Last Known Location:** The Artifact Room, with evidence of faint energy matching Frieza's power signature and fingerprints on the pedestal.