Six Weeks To Save Reality Digits N Data SQL Challenge Journey

Agent Briefing

Mission Accepted

The Analyst

As a dedicated Data Analyst, I am your agent on the ground, tasked with deciphering complex datasets to avert impending digital chaos.

The Purpose

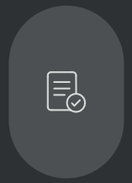
The Digits N Data SQL Challenge is not merely a competition; it is a critical mission to safeguard the very fabric of our digital reality.

The Theme

A call to action: a mission of precision, logic, and data driven defense. Every query you write pushes the timeline one step closer to stability.

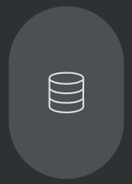
Agent Guidelines

Execution Plan



Stay Updated

Regularly monitor mission updates and communiques to adapt to evolving parameters.

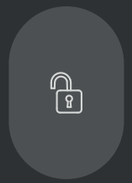


Solve SQL Queries

Craft precise and efficient SQL queries to extract critical intelligence from the data streams.

Post Weekly

Submit your weekly findings and solutions, ensuring all protocols are met.



Unlock Next Mission

Successful submissions pave the way to the next stage of the operation.

Creative Submission

Prepare for the final 2-day creative submission, a comprehensive report of the entire journey.

Question 1: Crisis Briefing

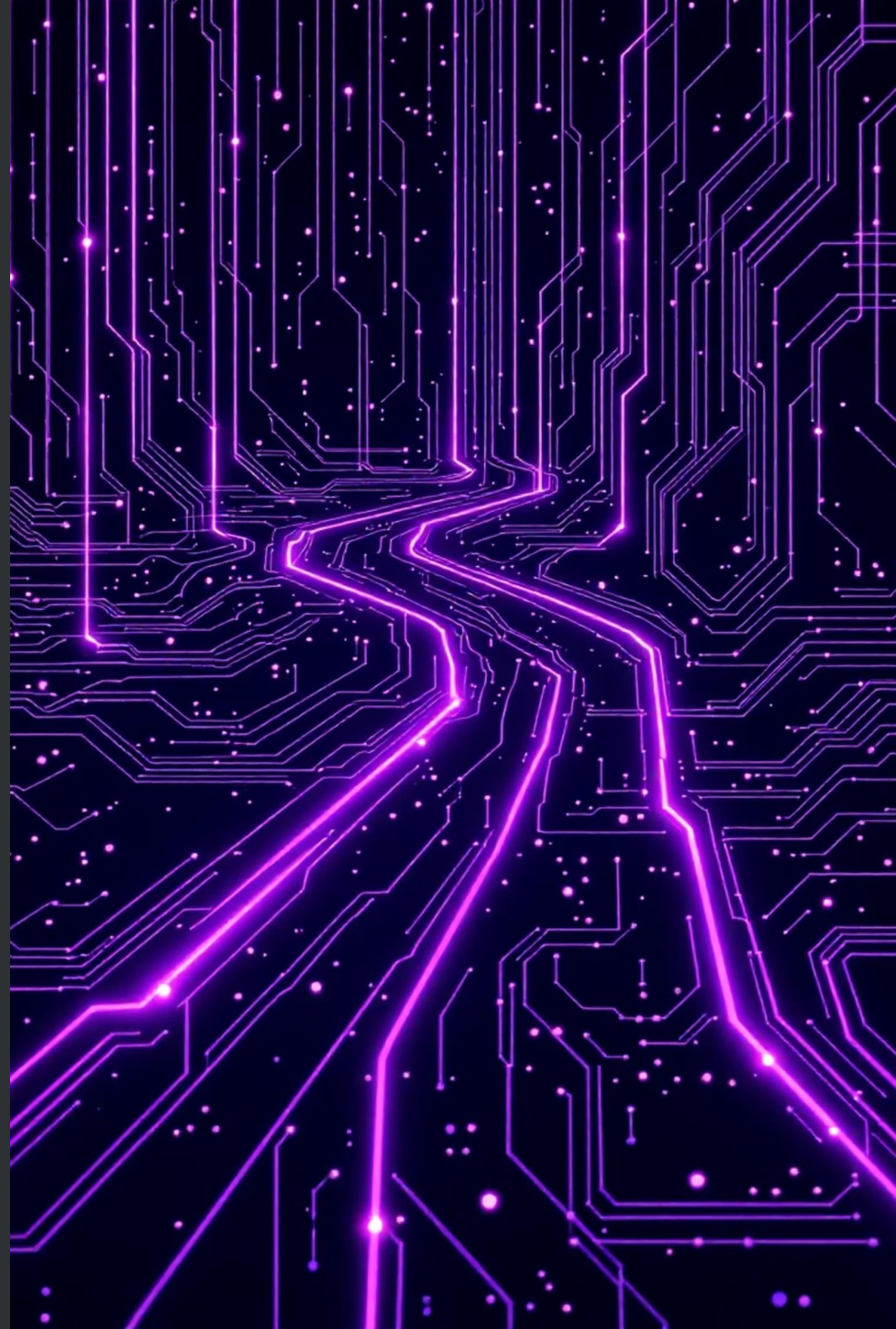
The Ethereal Sign

Mission 1

A global timeline instability is detected.
Energy surges skyrocket.
Suddenly, Tony Stark’s A.I. self-reactivates damaged, fragmented, but alive.

Agent...The timeline is breaking.
Six energy signatures match the Infinity Stones.
Before anything else, we must secure Earth’s defenders.

Your first task:
Analyze the Avengers current status.
Systems are outdated and corrupted, we must identify the strongest defenders now.



Mission 1 Objective

To stabilize the first anomaly, you must determine:

1

Active Avengers

Focus on currently active members.

2

Primary Defense

Specific assignment for the mission.

3

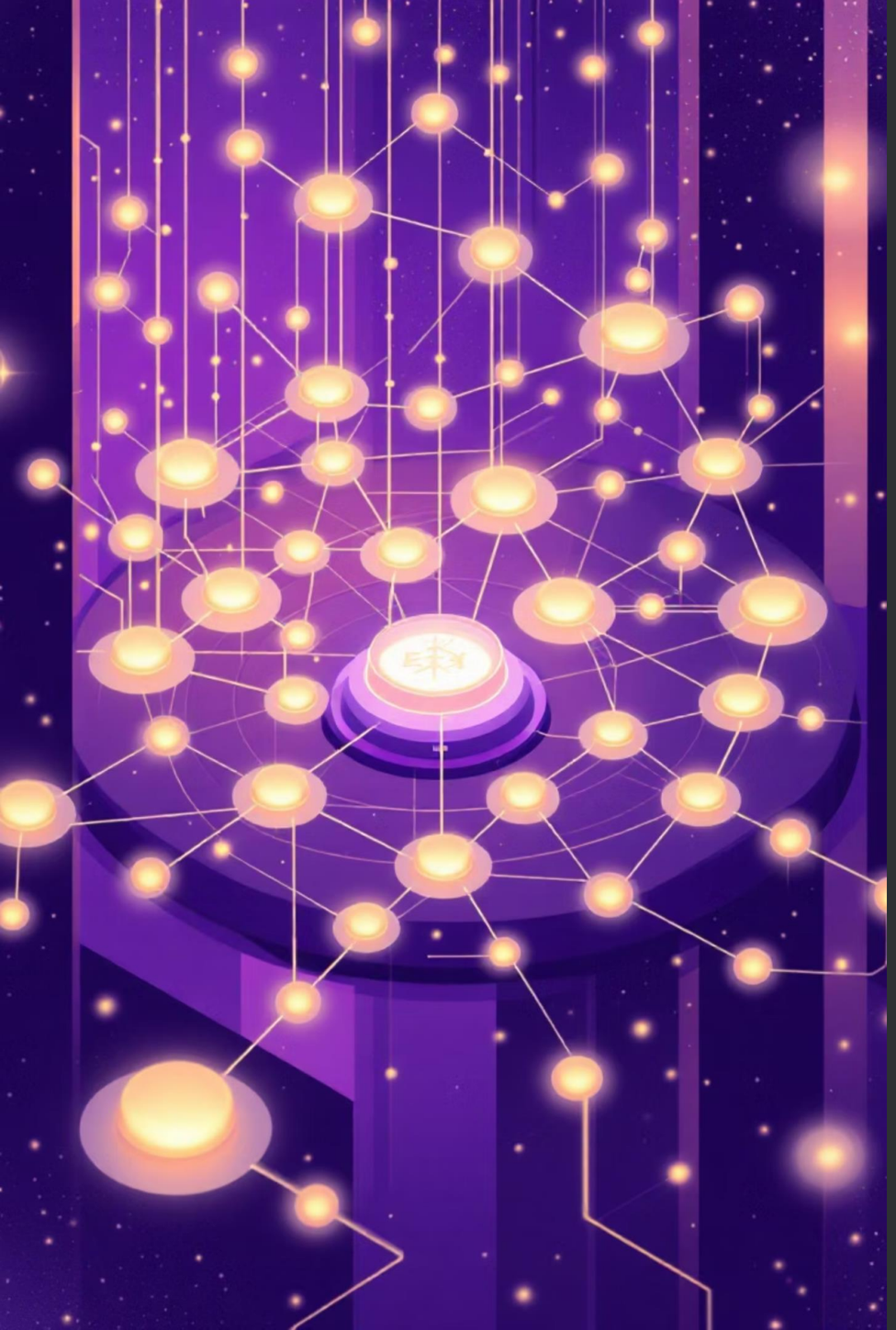
Above Average

Success rate exceeding the team benchmark.

Agent Divyanshi Doser

The SQL Query

```
SELECT COUNT(AvengerID)
    FROM AvengersData
    WHERE Status = 'Active'
    AND
            Assignment = 'Primary Defense'
    AND
        MissionSuccessRate > (
                                SELECT AVG(MissionSuccessRate)
                                    FROM AvengersData
                                    WHERE Status = 'Active'
                                    );
```



Step By Step

My Approach

Step 1 – Calculate The Average Mission Success Rate For All Active Avengers.

```
SELECT AVG(MissionSuccessRate)  FROM  AvengersData WHERE Status = 'Active'
```

Step 2 – Filter For Primary Defense Squad For All Active Avengers As The Mission Specifically Asked To Evaluate This Frontline Group

```
WHERE Assignment = 'Primary Defense' AND Status = 'Active'
```

Step 3 – Compare Individual Active Avengers Mission Success Rate With Team Average

```
AND  MissionSuccessRate > (
                SELECT AVG(MissionSuccessRate)  FROM AvengersDatta  WHERE Status = 'Active'
                        )
```

Step 4 – Count The Elite Defenders Who Matched All The Criteria

```
SELECT COUNT(AvengerID)  FROM AvengersData
  WHERE Assignment = 'Primary Defense' AND Status = 'Active'
   AND  MissionSuccessRate > (
                SELECT AVG(MissionSuccessRate)  FROM AvengersDatta
                WHERE Status = 'Active'   );
```

Mission Ongoing

Agent Divyanshi Reporting Out.

The journey continues, the data flows, and reality remains secured. Expect further updates from the field.