Sample questions and responses collated from our database:

1. Which businesses have set sustainability goals and have not yet achieved them?

SELECT Businesses.name, Sustainability\_Goals.goal\_type, Progress\_Tracking.current\_value, Sustainability\_Goals.target\_value

FROM Businesses

JOIN Sustainability\_Goals

ON Businesses.business\_id = Sustainability\_Goals.business\_id

LEFT JOIN Progress\_Tracking

ON Sustainability\_Goals.goal\_id = Progress\_Tracking.goal\_id

WHERE Progress\_Tracking.current\_value < Sustainability\_Goals.target\_value

OR Progress\_Tracking.current\_value IS NULL;

Graphical user interface, text, application

Description automatically generated

Find the total energy consumption for each user:

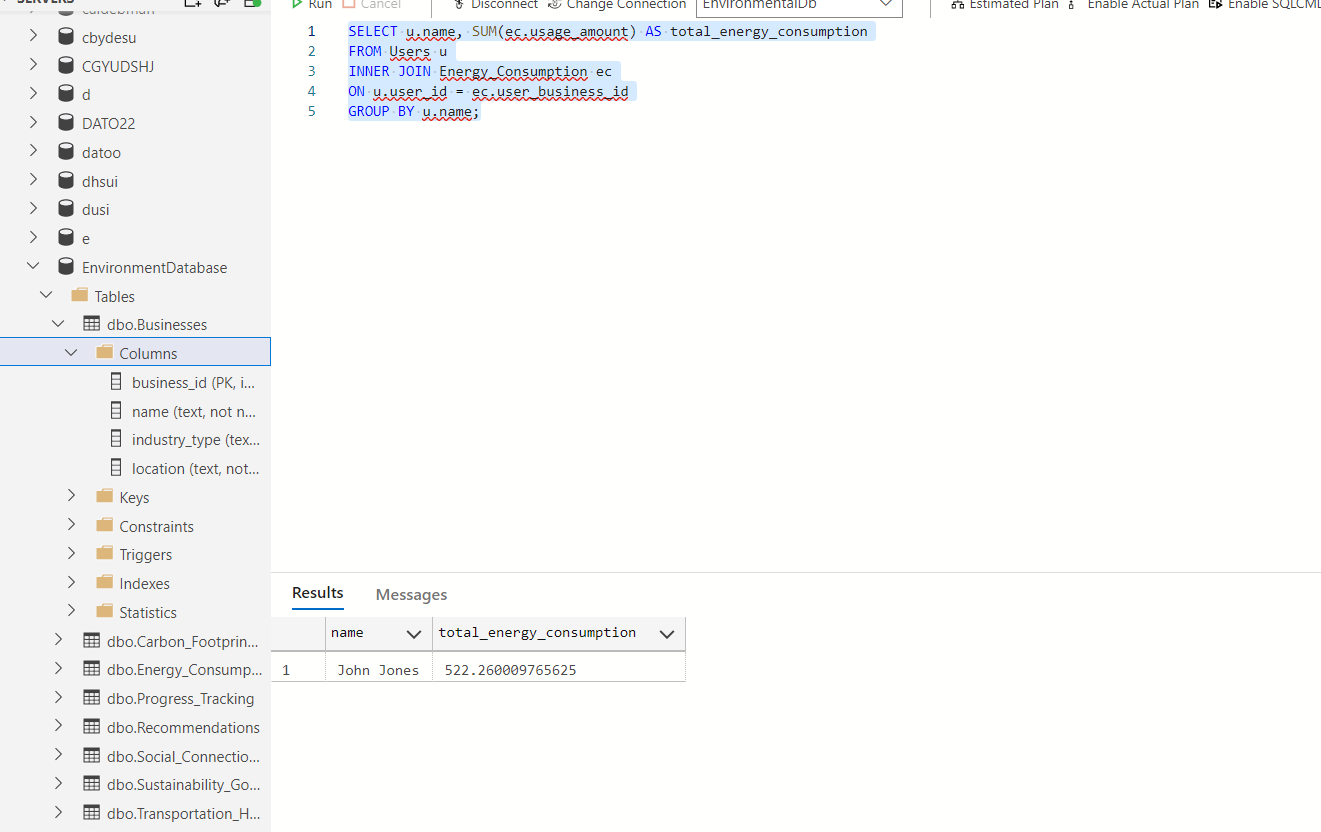
SELECT u.name, SUM(ec.usage\_amount) AS total\_energy\_consumption

FROM Users u

INNER JOIN Energy\_Consumption ec

ON u.user\_id = ec.user\_business\_id

GROUP BY u.name;



1. Find the average carbon footprint for businesses in a specific industry:

SELECT b.industry\_type, AVG(cfc.carbon\_footprint) AS avg\_carbon\_footprint

FROM Businesses b

INNER JOIN Carbon\_Footprint\_Calculations cfc

ON b.business\_id = cfc.user\_business\_id

GROUP BY b.industry\_type;

Text

Description automatically generated

1. What is the total energy consumption of each user and business?

SELECT u.name AS Name, SUM(e.usage\_amount) AS Total\_Energy\_Consumption

FROM Users u

INNER JOIN Energy\_Consumption e

ON u.user\_id = e.user\_business\_id

GROUP BY u.name

UNION ALL

SELECT b.name AS Name, SUM(e.usage\_amount) AS Total\_Energy\_Consumption

FROM Businesses b

INNER JOIN Energy\_Consumption e

ON b.business\_id = e.user\_business\_id

GROUP BY b.name;

