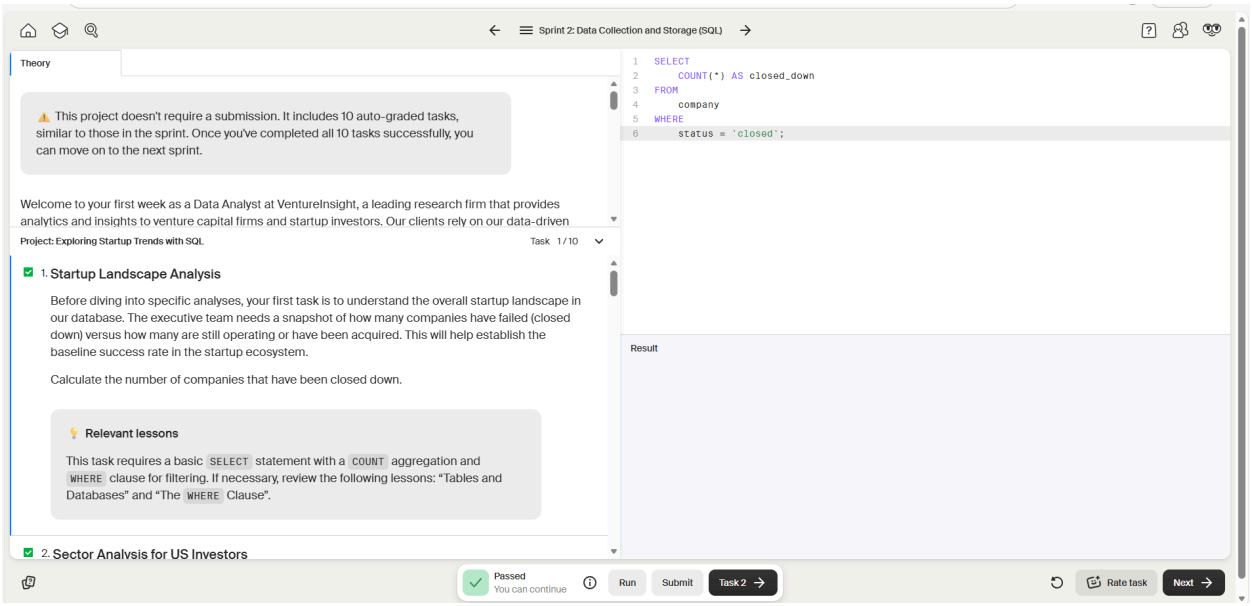
Step 1


Sprint 2: Data Collection and Storage (SQL)
Theory
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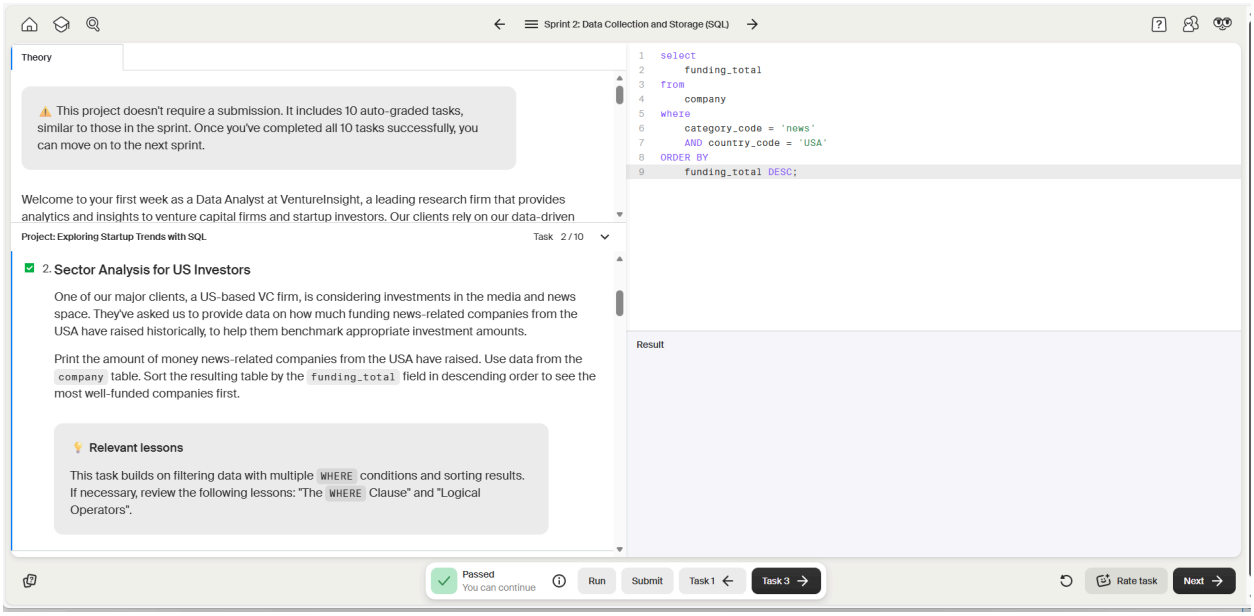
Project: Exploring Startup Trends with SQL
Task 1 / 10
1. Startup Landscape Analysis
Before diving into specific analyses, your first task is to understand the overall startup landscape in our database. The executive team needs a snapshot of how many companies have failed (closed down) versus how many are still operating or have been acquired. This will help establish the baseline success rate in the startup ecosystem.
Calculate the number of companies that have been closed down.
Relevant lessons
This task requires a basic SELECT statement with a COUNT aggregation and WHERE clause for filtering. If necessary, review the following lessons: "Tables and Databases" and "The WHERE Clause".
2. Sector Analysis for US Investors
SELECT
COUNT(*) AS closed_down
FROM
company
WHERE
status = 'closed';
Result
Passed
You can continue
Run
Submit
Task 2
Rate task
Next

Step 2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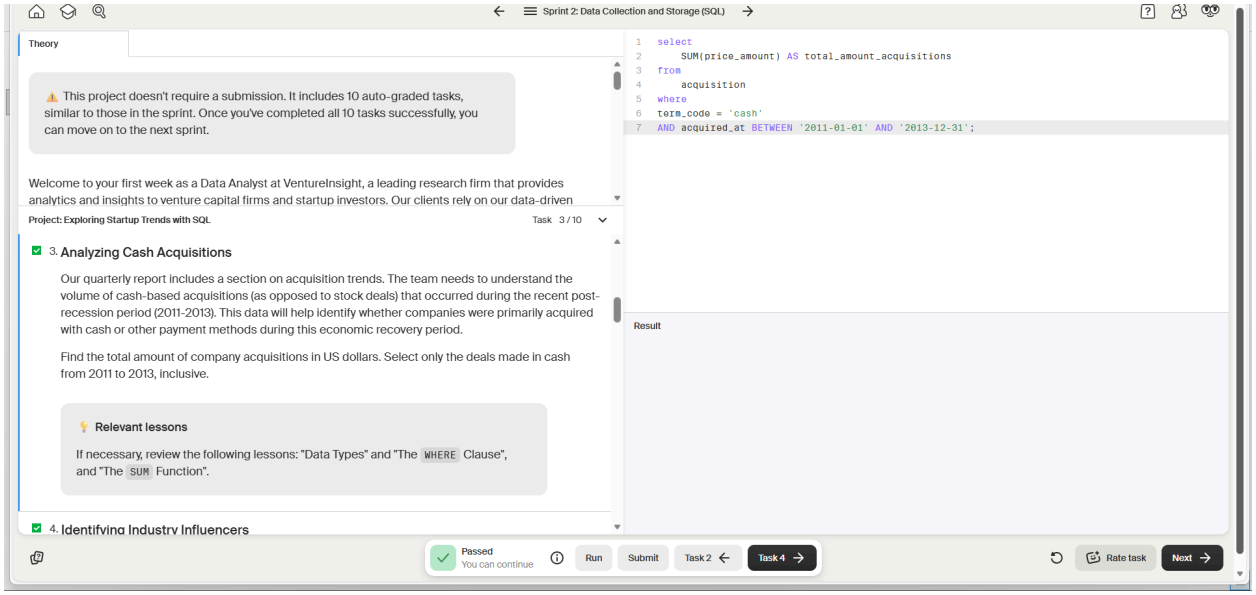
Task 2 / 10
2. Sector Analysis for US Investors
One of our major clients, a US-based VC firm, is considering investments in the media and news space. They've asked us to provide data on how much funding news-related companies from the USA have raised historically, to help them benchmark appropriate investment amounts.
Print the amount of money news-related companies from the USA have raised. Use data from the company table. Sort the resulting table by the funding_total field in descending order to see the most well-funded companies first.
Relevant lessons
This task builds on filtering data with multiple WHERE conditions and sorting results. If necessary, review the following lessons: "The WHERE Clause" and "Logical Operators".
select
funding_total
from
company
where
category_code = 'news'
AND country_code = 'USA'
ORDER BY
funding_total DESC;
Result
Passed
You can continue
Run
Submit
Task 1
Task 3
Rate task
Next

Step 3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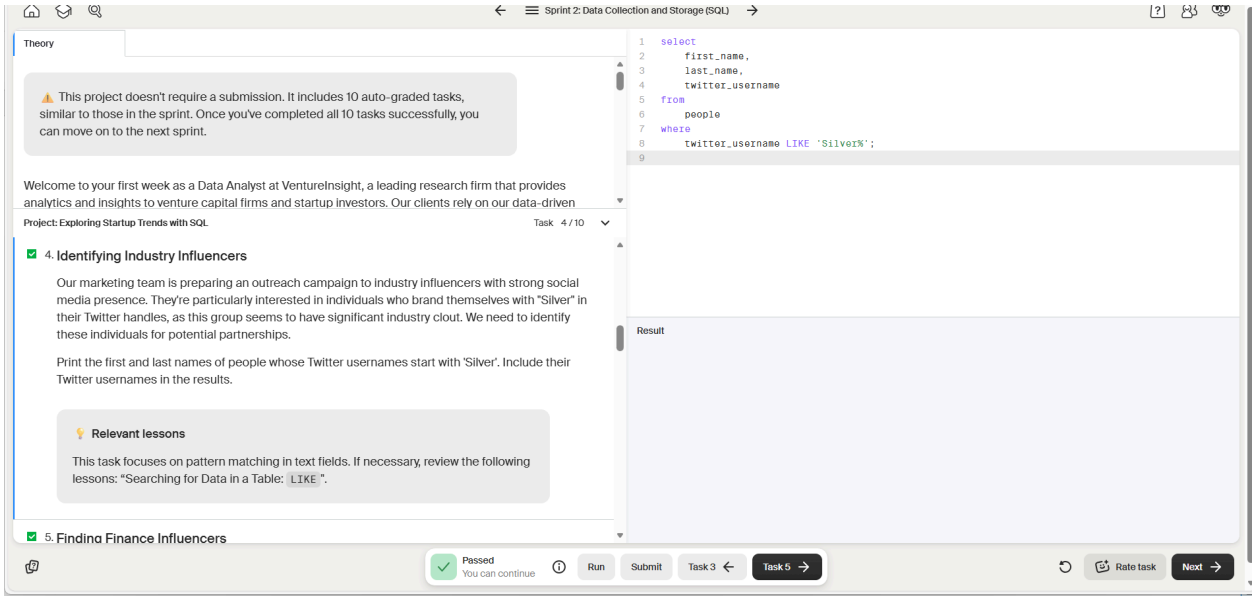
Task 3 / 10
3. Analyzing Cash Acquisitions
Our quarterly report includes a section on acquisition trends. The team needs to understand the volume of cash-based acquisitions (as opposed to stock deals) that occurred during the recent post-recession period (2011-2013). This data will help identify whether companies were primarily acquired with cash or other payment methods during this economic recovery period.
Find the total amount of company acquisitions in US dollars. Select only the deals made in cash from 2011 to 2013, inclusive.
Relevant lessons
If necessary, review the following lessons: "Data Types" and "The WHERE Clause", and "The SUM Function".
4. Identifying Industry Influencers
select
SUM(price_amount) AS total_amount_acquisitions
from
acquisition
where
term_code = 'cash'
AND acquired_at BETWEEN '2011-01-01' AND '2013-12-31';
Result
Passed
You can continue
Run
Submit
Task 2
Task 4
Rate task
Next

Step 4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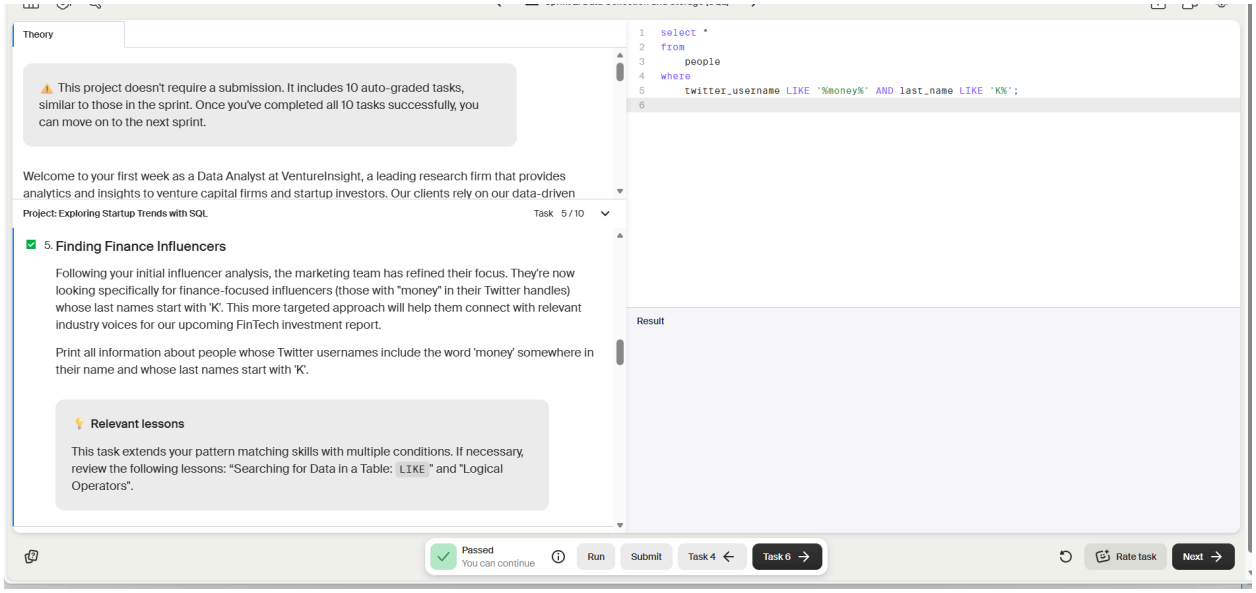
Task 4 / 10
4. Identifying Industry Influencers
Our marketing team is preparing an outreach campaign to industry influencers with strong social media presence. They're particularly interested in individuals who brand themselves with "Silver" in their Twitter handles, as this group seems to have significant industry clout. We need to identify these individuals for potential partnerships.
Print the first and last names of people whose Twitter usernames start with 'Silver'. Include their Twitter usernames in the results.
Relevant lessons
This task focuses on pattern matching in text fields. If necessary, review the following lessons: "Searching for Data in a Table: LIKE".
5. Finding Finance Influencers
select
first_name,
last_name,
twitter_username
from
people
where
twitter_username LIKE 'Silver%';
Result
Passed
You can continue
Run
Submit
Task 3
Task 5
Rate task
Next

Step 5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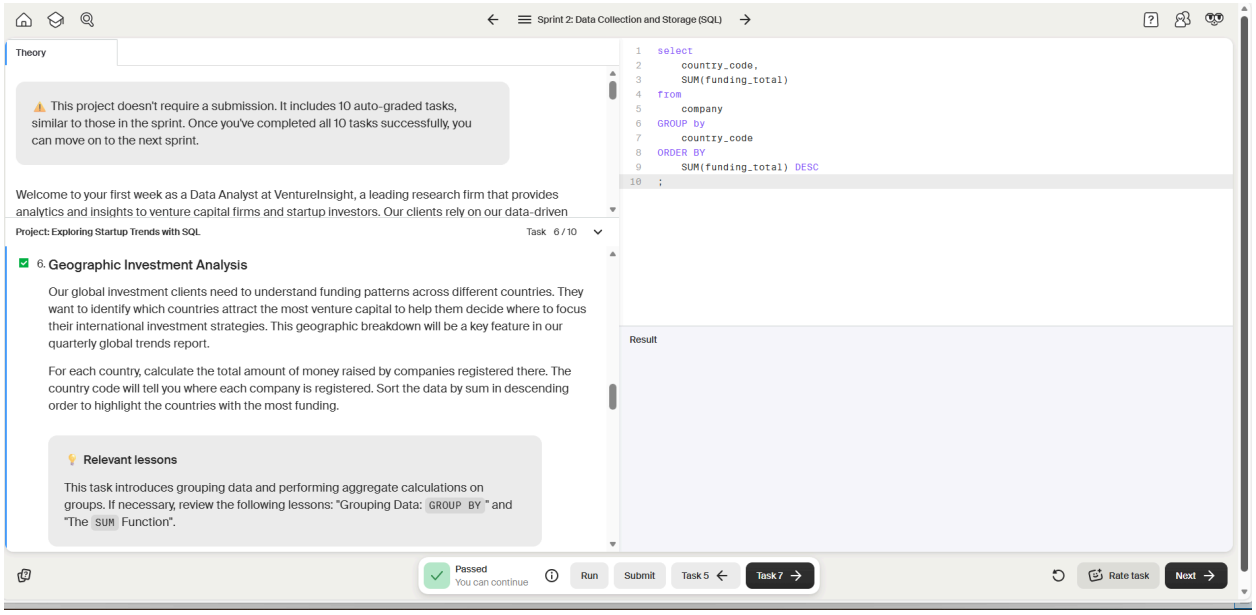
Project: Exploring Startup Trends with SQL
Task 5 / 10
5. Finding Finance Influencers
Following your initial influencer analysis, the marketing team has refined their focus. They're now looking specifically for finance-focused influencers (those with "money" in their Twitter handles) whose last names start with 'K'. This more targeted approach will help them connect with relevant industry voices for our upcoming FinTech investment report.
Print all information about people whose Twitter usernames include the word 'money' somewhere in their name and whose last names start with 'K'.
Relevant lessons
This task extends your pattern matching skills with multiple conditions. If necessary, review the following lessons: "Searching for Data in a Table: LIKE" and "Logical Operators".
select *
from
people
where
twitter_username LIKE '%money%' AND last_name LIKE 'K%';
Result
Passed
You can continue
Run
Submit
Task 4
Task 6
Rate task
Next

Step 6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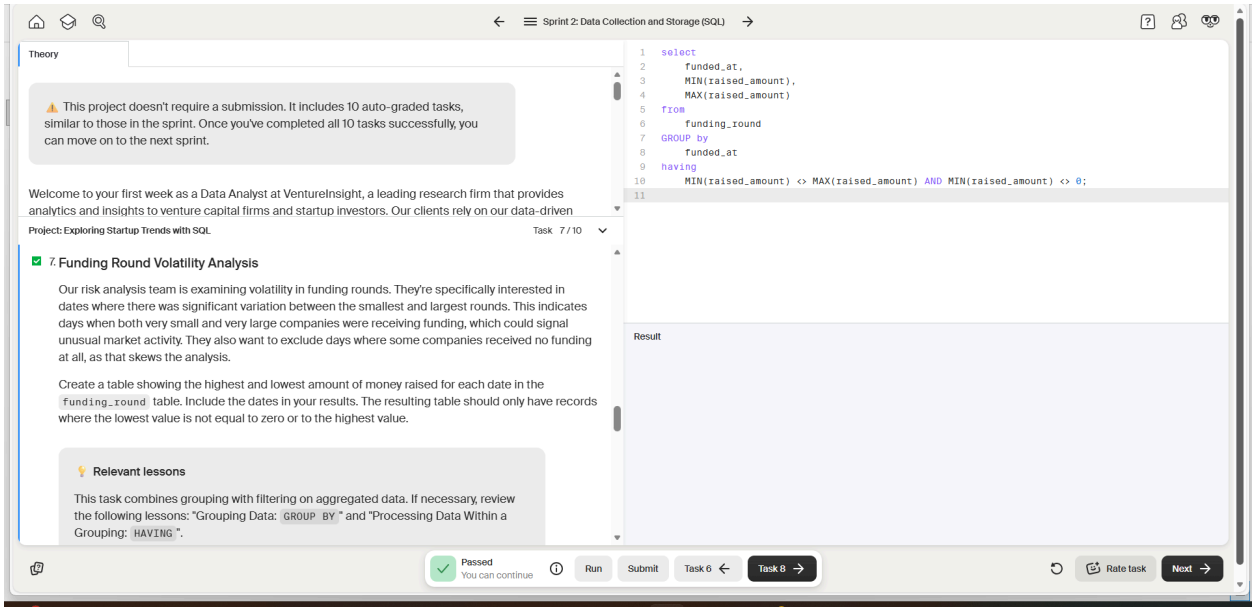
Task 6 / 10
6. Geographic Investment Analysis
Our global investment clients need to understand funding patterns across different countries. They want to identify which countries attract the most venture capital to help them decide where to focus their international investment strategies. This geographic breakdown will be a key feature in our quarterly global trends report.
For each country, calculate the total amount of money raised by companies registered there. The country code will tell you where each company is registered. Sort the data by sum in descending order to highlight the countries with the most funding.
Relevant lessons
This task introduces grouping data and performing aggregate calculations on groups. If necessary, review the following lessons: "Grouping Data: GROUP BY" and "The SUM Function".
select
country_code,
SUM(funding_total)
from
company
GROUP by
country_code
ORDER BY
SUM(funding_total) DESC
;
Result
Passed
You can continue
Run
Submit
Task 5
Task 7
Rate task
Next

Step 7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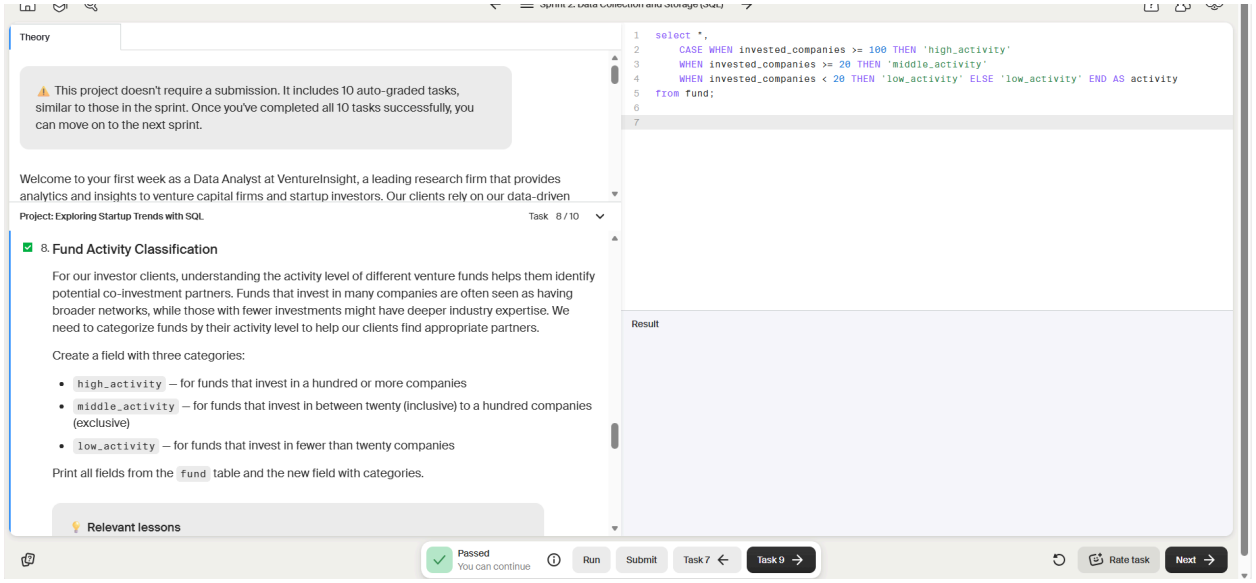
Task 7 / 10
7. Funding Round Volatility Analysis
Our risk analysis team is examining volatility in funding rounds. They're specifically interested in dates where there was significant variation between the smallest and largest rounds. This indicates days when both very small and very large companies were receiving funding, which could signal unusual market activity. They also want to exclude days where some companies received no funding at all, as that skews the analysis.
Create a table showing the highest and lowest amount of money raised for each date in the funding_round table. Include the dates in your results. The resulting table should only have records where the lowest value is not equal to zero or to the highest value.
Relevant lessons
This task combines grouping with filtering on aggregated data. If necessary, review the following lessons: "Grouping Data: GROUP BY " and "Processing Data Within a Grouping: HAVING ".
select
funded_at,
MIN(raised_amount),
MAX(raised_amount)
from
funding_round
GROUP by
funded_at
having
MIN(raised_amount) <> MAX(raised_amount) AND MIN(raised_amount) <> 0;
Result
Passed
You can continue
Run
Submit
Task 6
Task 8
Rate task
Next

Step 8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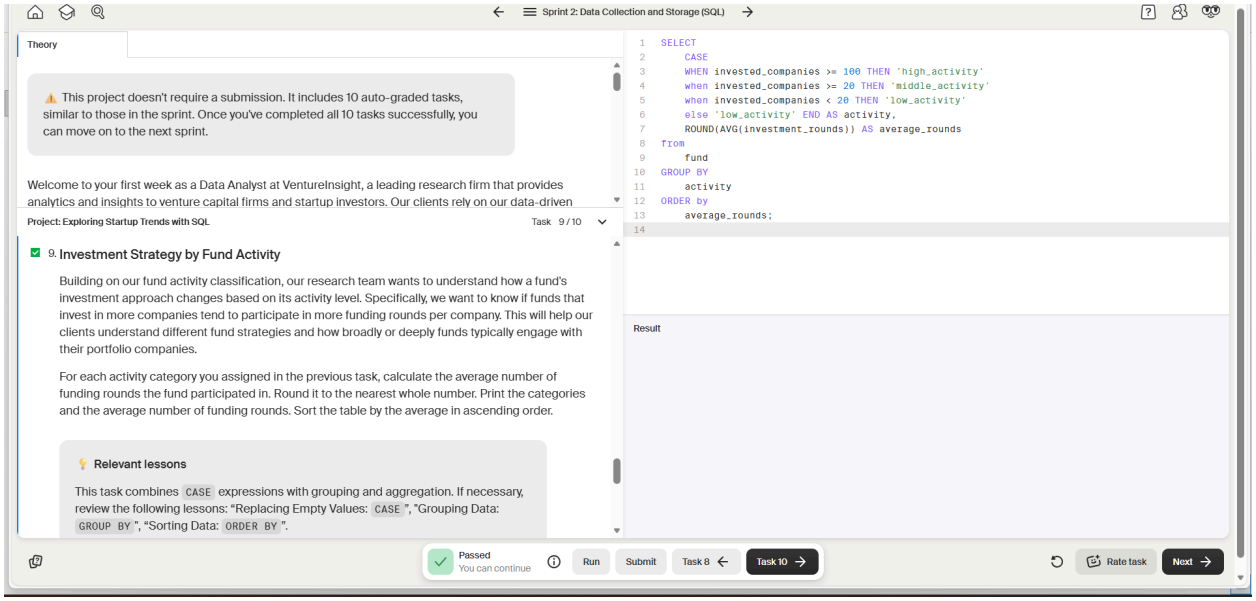
Task 8 / 10
8. Fund Activity Classification
For our investor clients, understanding the activity level of different venture funds helps them identify potential co-investment partners. Funds that invest in many companies are often seen as having broader networks, while those with fewer investments might have deeper industry expertise. We need to categorize funds by their activity level to help our clients find appropriate partners.
Create a field with three categories:
high_activity — for funds that invest in a hundred or more companies
middle_activity — for funds that invest in between twenty (inclusive) to a hundred companies (exclusive)
low_activity — for funds that invest in fewer than twenty companies
Print all fields from the fund table and the new field with categories.
Relevant lessons
select *,
CASE WHEN invested_companies >= 100 THEN 'high_activity'
WHEN invested_companies >= 20 THEN 'middle_activity'
WHEN invested_companies < 20 THEN 'low_activity' ELSE 'low_activity' END AS activity
from fund;
Result
Passed
You can continue
Run
Submit
Task 7
Task 9
Rate task
Next

Step 9



Step 10