**EXPLORIN ACADEMY**

**Trends in Startups**

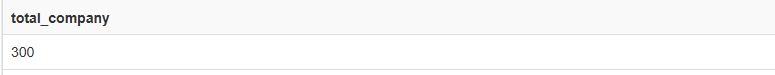
**PROBLEM :- *To analyze a database of startup company using SQL queries , exploring various metrics to understand trends in the startup ecosystem.***

**DATABASE:-** TrendsInStartups\_Explorin.csv

1. Calculate the total number of companies in the dataset.

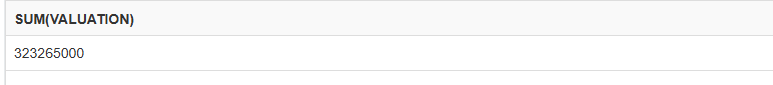
select count(\*) as total\_company

from TrendsInStartups\_Explorin



1. Determine the total value of all companies in the dataset.

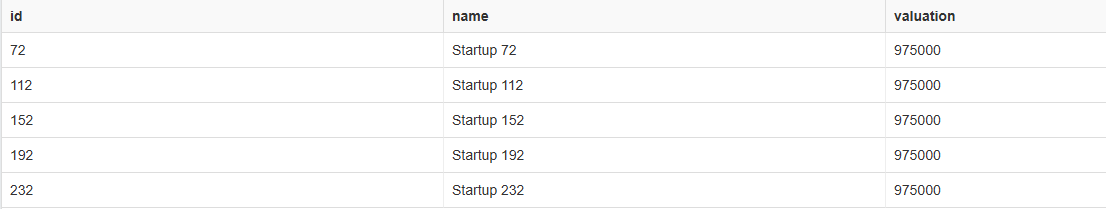
SELECT SUM(VALUATION) FROM "TrendsInStartups\_Explorin"



1. Find the highest amount raised by a startup at the 'Seed' stage.

SELECT ID, NAME , valuation FROM "TrendsInStartups\_Explorin"

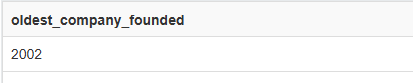
ORDER BY VALUATION DESC LIMIT 5



1. Identify the year when the oldest company on the list was founded.

SELECT MIN(founded\_year) as oldest\_company\_founded

FROM "TrendsInStartups\_Explorin"

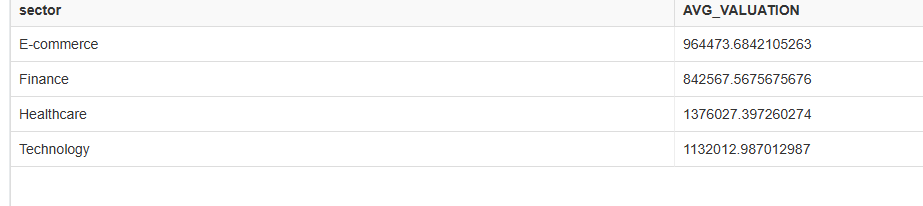
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1. Calculate the average valuation within each startup category.

SELECT SECTOR,AVG(VALUATION) AS AVG\_VALUATION

FROM "TrendsInStartups\_Explorin"

GROUP BY SECTOR

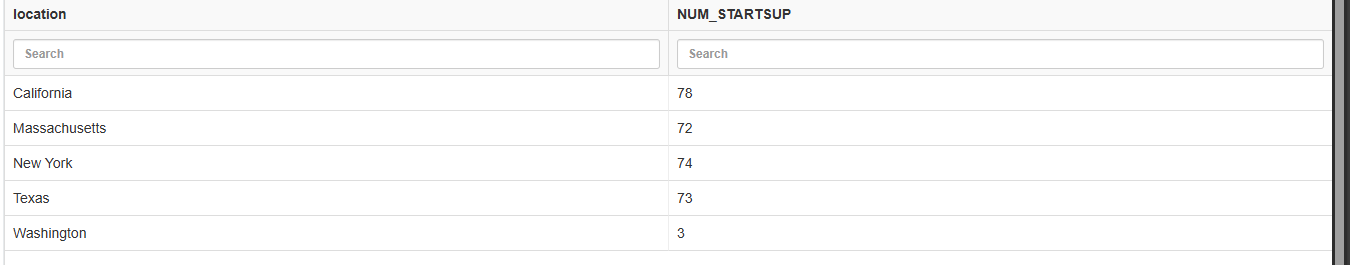


1. Determine the top locations with the highest number of startups.

SELECT LOCATION, COUNT( LOCATION ) AS NUM\_STARTSUP

FROM "TrendsInStartups\_Explorin"

GROUP BY LOCATION



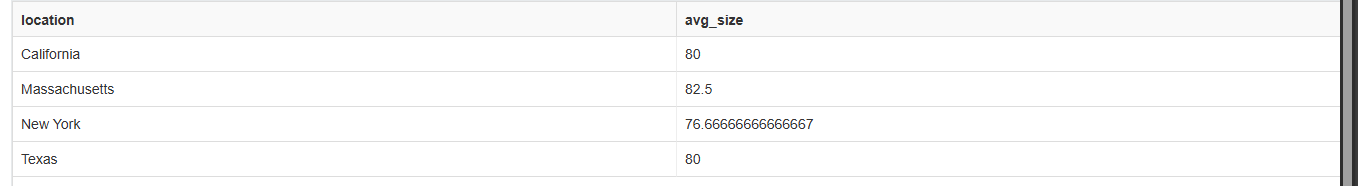
7. Calculate the average size of startups in each location where the average size

exceeds 500.

SELECT DISTINCT location,avg(size) avg\_size from "TrendsInStartups\_Explorin"

WHERE SIZE>500

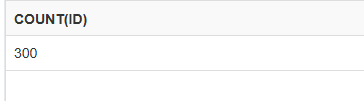
group by location



8.Find the top 5% of startups with the highest valuations.

SELECT COUNT(ID) from "TrendsInStartups\_Explorin"

ORDER BY VALUATION DESC LIMIT 15



9. Identify startups that have raised funding in every stage (Seed, Series A, Series B, etc.)

SELECT name , count(stage) as A FROM "TrendsInStartups\_Explorin" group by name having A=4



10. Calculate the percentage growth in valuation from Seed stage to Series A for each startup.

SELECT s1.name, ((max(s1.valuation) - min(s2.valuation)) \* 100.0 / min(s2.valuation)) as growth\_percentage

from "TrendsInStartups\_Explorin" as s1

join "TrendsInStartups\_Explorin"as s2 on s1.name=s2.name

where s1.stage = 'Seed' and s2.stage = 'Series A' group by s1.name

