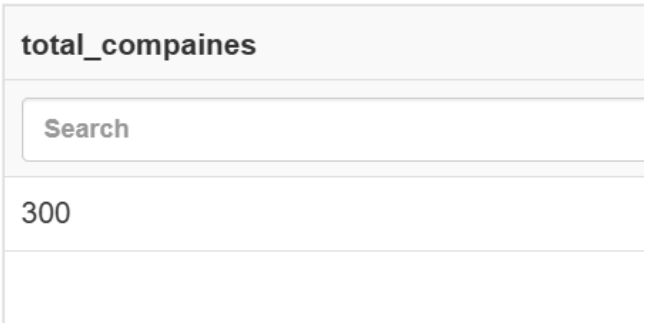
Task:

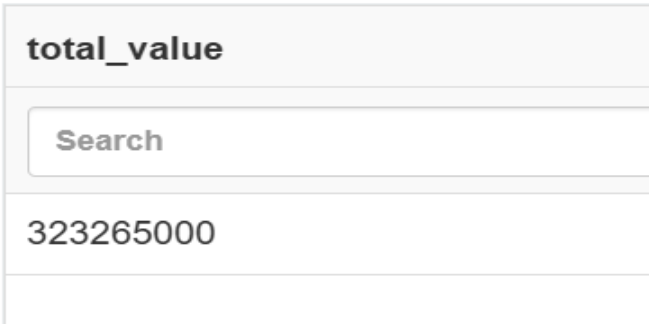
1. Calculate the total number of companies in the dataset.

SELECT count(name) as total_compaines FROM "TrendsInStartups_Explorin"



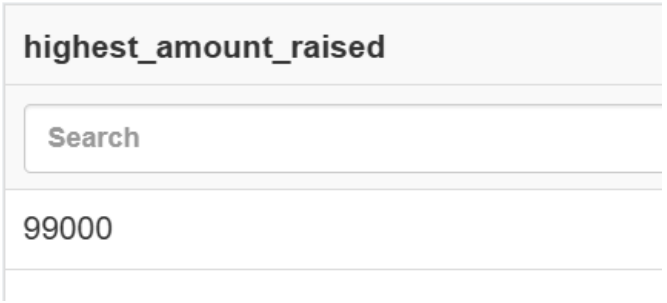
2. Determine the total value of all companies in the dataset.

SELECT sum(valuation) as total_value FROM "TrendsInStartups_Explorin"



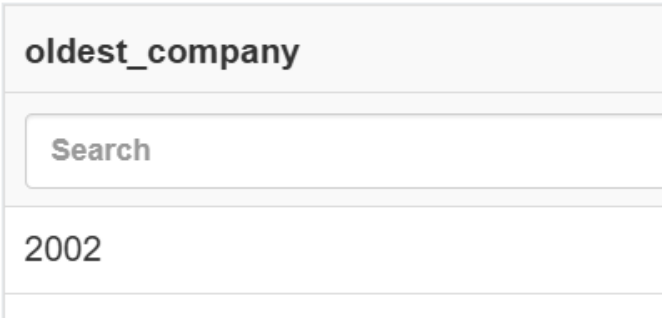
3. Find the highest amount raised by a startup at the 'Seed' stage.

SELECT max(amount_raised) FROM "TrendsInStartups_Explorin" where stage = "Seed"



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

SELECT min(founded_year) as oldest_company FROM "TrendsInStartups_Explorin"



5. Calculate the average valuation within each startup category.

SELECT sector, avg(valuation) FROM "TrendsInStartups_Explorin" group by sector

sector	avg(valuation)
Search	Search
E-commerce	964473.6842105263
Finance	842567.5675675676
Healthcare	1376027.397260274
Technology	1132012.987012987

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

SELECT location, count(location) as highest_no_of_startups FROM "TrendsInStartups_Explorin" group by location

location	highest_no_of_startups
Search	Search
California	78
Massachusetts	72
New York	74
Texas	73
Washington	3

7. Calculate the average size of startups in each location where the average size exceeds 500.

```
SELECT distinct location, avg(size)
FROM TrendsInStartups_Explorin
group by location
having avg(size) > 500 or avg(size) is null
```

No rows returned.

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

```
SELECT name, max(valuation) FROM "TrendsInStartups_Explorin" group by valuation order by valuation desc limit 25
```

name	max(valuation)
Startup 72	975000
Startup 58	950000
Startup 6	900000
Startup 81	875000
Startup 69	850000
Startup 56	825000
Startup 7	800000
Startup 13	750000
Startup 68	725000

name	max(valuation)
Startup 2	700000
Startup 74	675000
Startup 15	650000
Startup 65	625000
Startup 4	600000
Startup 59	575000
Startup 12	550000
Startup 48	525000
Startup 8	5000000

name	max(valuation)
Startup 48	525000
Startup 8	5000000
Startup 1	500000
Startup 32	490000
Startup 20	450000
Startup 33	4250000
Startup 19	4000000
Startup 9	400000
Startup 14	3000000

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

```
select name from "TrendsInStartups_Explorin"
group by name
having count(distinct stage) = 4 or count(distinct stage) = 0
```

Output 0

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
```

name	growth_percentage
Search	Search
Startup 1	-64.28571428571429
Startup 2	-76.66666666666667
Startup 4	-88
Startup 6	-43.75
Startup 7	-92
Startup 9	-50