

```
create database IF NOT EXISTS unicorn_companies;
```

```
USE unicorn_companies;
```

```
create table unicorn(
```

```
id INT AUTO_INCREMENT PRIMARY KEY,
```

```
    company VARCHAR(255),
```

```
    country VARCHAR(100),
```

```
    sector VARCHAR(100),
```

```
    valuation DECIMAL(10, 2),
```

```
    founded_year INT,
```

```
    investors TEXT
```

```
);
```

```
LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/unicorns.csv' INTO  
TABLE unicorn
```

```
FIELDS TERMINATED BY ','
```

```
ENCLOSED BY '"'
```

```
LINES TERMINATED BY '\r\n'
```

```
IGNORE 1 LINES
```

```
(company, country, sector, valuation, founded_year, investors);
```

```
select * from unicorn;
```

## SnapShot:

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

|   | id | company       | country        | sector                  | valuation | founded_year | investors  |
|---|----|---------------|----------------|-------------------------|-----------|--------------|--|
| ▶ | 1  | SpaceX        | United States  | Aerospace               | 100.30    | 2002         | Fidelity, Founders Fund, Baillie Gifford             |
|   | 2  | Stripe        | United States  | FinTech                 | 95.00     | 2010         | Sequoia Capital, Andreessen Horowitz, Baillie Gi...  |
|   | 3  | ByteDance     | China          | Artificial Intelligence | 140.00    | 2012         | Sequoia Capital China, General Atlantic              |
|   | 4  | UiPath        | United States  | Robotics                | 35.00     | 2005         | Accel, CapitalG, Sequoia Capital                     |
|   | 5  | Klarna        | Sweden         | FinTech                 | 46.00     | 2005         | Sequoia Capital, Silver Lake, Dragoneer              |
|   | 6  | Robinhood     | United States  | FinTech                 | 11.20     | 2013         | DST Global, Ribbit Capital, ICONIQ Capital           |
|   | 7  | Revolut       | United Kingdom | FinTech                 | 33.00     | 2015         | DST Global, SoftBank, Tiger Global Management        |
|   | 8  | Canva         | Australia      | Software                | 40.00     | 2012         | Sequoia Capital, Blackbird Ventures, Felicis Vent... |
|   | 9  | Epic Games    | United States  | Gaming                  | 42.00     | 1991         | Tencent Holdings, KKR, Smash Ventures                |
|   | 10 | Chime         | United States  | FinTech                 | 25.00     | 2013         | DST Global, Iconiq Capital, General Atlantic         |
|   | 11 | Grab          | Singapore      | Transportation          | 16.00     | 2012         | SoftBank, Sequoia Capital, Didi Chuxing              |
|   | 12 | Databricks    | United States  | Software                | 38.00     | 2013         | Andreessen Horowitz, Tiger Global Management...      |
|   | 13 | Instacart     | United States  | E-commerce              | 39.00     | 2012         | Andreessen Horowitz, Sequoia Capital, Fidelity       |
|   | 14 | Coupang       | South Korea    | E-commerce              | 60.00     | 2010         | SoftBank, Sequoia Capital, BlackRock                 |
|   | 15 | Nubank        | Brazil         | FinTech                 | 45.00     | 2013         | DST Global, Sequoia Capital, Tencent                 |
|   | 16 | Snowflake     | United States  | Cloud Computing         | 70.00     | 2012         | Altimeter Capital, ICONIQ Capital, Sequoia Capital   |
|   | 17 | Rivian        | United States  | Automotive              | 27.60     | 2009         | Amazon, Ford Motor Company, T. Rowe Price            |
|   | 18 | Adyen         | Netherlands    | FinTech                 | 68.00     | 2006         | Index Ventures, Iconiq Capital, General Atlantic     |
|   | 19 | Ginkgo Bio... | United States  | Biotechnology           | 15.00     | 2008         | Viking Global Investors, General Atlantic, Casca...  |

I have taken the 20 rows in my data, for analysis the data correctly.

## Analysis Questions:

### -- 1- Top 5 Countries by Number of Unicorns

```
select country, count(*) as count_of_countries
```

```
from unicorn
```

```
group by country
```

```
order by count_of_countries desc
```

```
limit 5;
```

### Snapshot:

| Result Grid |                |                    | Filter Rows: |  |
|-------------|----------------|--------------------|--------------|--|
|             | country        | count_of_countries |              |  |
| ▶           | United States  | 22                 |              |  |
|             | China          | 4                  |              |  |
|             | Sweden         | 2                  |              |  |
|             | United Kingdom | 2                  |              |  |
|             | Australia      | 2                  |              |  |

### -- 2- Top 3 Sectors by Average Valuation:

```
select sector, avg(valuation) as average_valuation
from unicorn
group by sector
order by average_valuation desc
limit 3;
```

### Snapshot:

| Result Grid |                         |                   | Filter Rows: |  |
|-------------|-------------------------|-------------------|--------------|--|
|             | sector                  | average_valuation |              |  |
| ▶           | Artificial Intelligence | 140.000000        |              |  |
|             | Aerospace               | 100.300000        |              |  |
|             | Cloud Computing         | 70.000000         |              |  |

#### -- 4- Total Valuation of Unicorns in the FinTech Sector

```
select sector, sum(valuation) as total_valuation
from unicorn
where sector = "FinTech"
group by sector;
```

##### Snapshot:

| Result Grid | Filter Rows:    |
|-------------|-----------------|
| sector      | total_valuation |
| FinTech     | 646.40          |

#### -- 5- Most Common Investors

```
SELECT investors, COUNT(*) AS investor_count
FROM unicorn
GROUP BY investors
ORDER BY investor_count DESC
LIMIT 1;
```

##### Snapshot:

| Result Grid                              | Filter Rows:   | Export: | Wrap Cell Con |
|--|----------------|---------|---------------|
| investors                                | investor_count |         |               |
| Fidelity, Founders Fund, Baillie Gifford | 2              |         |               |

**-- Explore trends in the data, such as the growth of unicorns in specific sectors or countries**

```
SELECT sector, founded_year, COUNT(*) AS unicorn_count
FROM unicorn
GROUP BY sector, founded_year
ORDER BY founded_year ASC, unicorn_count DESC;
```

**-- Which investors have the most unicorns in their portfolio?**

```
SELECT investors, COUNT(*) AS investor_count
FROM unicorn
GROUP BY investors
ORDER BY investor_count DESC;
```

**-- Compare valuations of companies founded in different decades to understand growth trends.**

```
SELECT
  CASE
    WHEN founded_year BETWEEN 1990 AND 1999 THEN '1990s'
    WHEN founded_year BETWEEN 2000 AND 2009 THEN '2000s'
    WHEN founded_year BETWEEN 2010 AND 2019 THEN '2010s'
    ELSE '2020s'
  END AS decade,
  AVG(valuation) AS average_valuation,
  COUNT(*) AS unicorn_count
FROM unicorn
```

GROUP BY decade

ORDER BY decade ASC;

**Snapshot:**

| Result Grid |        |                   |               | Filter Rows: |  | Export: |  |
|-------------|--------|-------------------|---------------|--------------|--|---------|--|
|             | decade | average_valuation | unicorn_count |              |  |         |  |
| ▶           | 1990s  | 42.000000         | 2             |              |  |         |  |
|             | 2000s  | 48.650000         | 12            |              |  |         |  |
|             | 2010s  | 49.015385         | 26            |              |  |         |  |