**CASE STUDY 3**

**Data: tutorial.crunchbase\_companies**

1. Find the top 5 countries(country code) with the highest number of operating companies. Ensure the country code is not null.
2. **SELECT country\_code, COUNT(status) AS Top\_Five\_Operating\_Companies FROM tutorial.crunchbase\_companies WHERE country\_code is NOT NULL AND status = 'operating' GROUP BY 1 ORDER by 2 DESC LIMIT 5;**
3. How many companies have no country code available in the dataset.
4. **SELECT COUNT(name) AS number\_of\_companies FROM tutorial.crunchbase\_companies WHERE country\_code ISNULL;**
5. Find the number of companies starting with letter ‘g’ founded in France(FRA) and still operational(status = operating).
6. **SELECT COUNT(name) AS number\_of\_companies FROM tutorial.crunchbase\_companies WHERE name LIKE 'g%' AND country\_code = 'FRA' AND status = 'operating';**
7. How many advertising, founded after 2003, are acquired?
8. **SELECT COUNT(category\_code) FROM tutorial.crunchbase\_companies WHERE category\_code ='advertising' AND founded\_year > '2003' AND status ='acquired';**
9. Calculated the average funding\_total\_usd per company for the companies founded in the software, education, and analytics category.
10. **SELECT name, category\_code, AVG(funding\_total\_usd) OVER (PARTITION BY category\_code) AS Average\_funding\_total\_usd FROM tutorial.crunchbase\_companies WHERE category\_code IN ('software','education','analytics');**
11. Find the city having more than 50 closed companies. Return the city and number of companies closed.
12. **SELECT city, COUNT(city) FROM tutorial.crunchbase\_companies WHERE status = 'closed' GROUP BY 1 HAVING COUNT(city)>50;**
13. Find the number of bio-tech companies who are founded after 2000 and either have more than 1Mn funding or have ipo and secured more than 1 round of funding.
14. **SELECT category\_code, COUNT(category\_code) FROM tutorial.crunchbase\_companies WHERE category\_code = 'biotech' AND founded\_year>2000 AND (funding\_total\_usd > 1000000 OR status = 'ipo') AND funding\_rounds > 1 GROUP BY 1;**
15. Find all number of all acquired companies founded between 1980 and 2005 and founded in the city ending with the word ‘city’. Return the city name and number of acquired companies.
16. **SELECT city, COUNT(status) as Acquired\_Companies FROM tutorial.crunchbase\_companies WHERE city LIKE '% City' AND status = 'acquired' AND founded\_year between 1980 and 2005 GROUP BY 1;**
17. Find the number of ‘hardware’ companies founded outside ‘USA’ and did not take any funding. Return the country code and number of hardware companies in descending order.
18. **SELECT country\_code, COUNT(category\_code) AS number\_of\_hardware\_companies FROM tutorial.crunchbase\_companies WHERE category\_code = 'hardware' AND funding\_total\_usd ISNULL AND country\_code NOT IN ('USA') GROUP BY 1 ORDER BY 2 DESC;**
19. Find the 5 most popular company category(category with highest companies) across the city Singapore, Shanghai, and Bangalore. Return category code and number of companies.
20. **SELECT category\_code, COUNT(city) as Highest\_Category\_Companies FROM tutorial.crunchbase\_companies WHERE city IN ('Singapore','Shanghai','Bangalore') GROUP BY 1 ORDER BY 2 DESC LIMIT 5;**