**CASE STUDY 8**

1. Write a query that performs a left join between the tutorial.crunchbase\_companies table and tutorial.crunchbase\_acquisitions table. List the individual rows.
2. **SELECT \* FROM tutorial.crunchbase\_companies c**

**LEFT JOIN tutorial.crunchbase\_acquisitions a**

**ON c.permalink = a.acquirer\_permalink;**

1. Count the number of unique companies (don't double-count companies) and unique acquired companies.
2. **SELECT COUNT(DISTINCT permalink) AS unique\_companies**

**FROM tutorial.crunchbase\_companies;**

**SELECT COUNT(DISTINCT company\_permalink) AS unique\_acquired\_companies**

**FROM tutorial.crunchbase\_acquisitions;**

1. Write a query to give a count of number of companies which never acquired any company.
2. **SELECT COUNT(\*) AS companies\_that\_never\_acquired**

**FROM tutorial.crunchbase\_companies c**

**LEFT JOIN tutorial.crunchbase\_acquisitions a**

**ON c.permalink = a.acquirer\_permalink**

**WHERE a.acquirer\_permalink IS NULL;**

1. Count the number of unique companies (don't double-count companies) and unique acquired companies by state. Do not include results for which there is no state data, and order by the number of acquired companies from highest to lowest.
2. **SELECT**

**c.state\_code AS state,**

**COUNT(DISTINCT c.permalink) AS unique\_companies,**

**COUNT(DISTINCT a.company\_permalink) AS unique\_acquired\_companies**

**FROM tutorial.crunchbase\_companies c LEFT JOIN tutorial.crunchbase\_acquisitions a**

**ON c.permalink = a.company\_permalink**

**WHERE c.state\_code IS NOT NULL**

**GROUP BY c.state\_code**

**ORDER BY unique\_acquired\_companies DESC;**

1. Write a query that joins tutorial.crunchbase\_companies and tutorial.crunchbase\_investments\_part1 using a FULL JOIN. Count up the number of rows that are present in one table and present in both the table.
2. **SELECT**

**CASE**

**WHEN c.permalink IS NOT NULL AND i.company\_permalink IS NOT NULL THEN 'both'**

**WHEN c.permalink IS NOT NULL THEN 'only\_companies'**

**WHEN i.company\_permalink IS NOT NULL THEN 'only\_investments'**

**END AS source,**

**COUNT(\*) AS row\_count**

**FROM**

**tutorial.crunchbase\_companies c FULL OUTER JOIN tutorial.crunchbase\_investments\_part1 i**

**ON c.permalink = i.company\_permalink**

**GROUP BY source;**

1. Write a query to find the records where a company received investment 5 year after founding year.
2. **SELECT c.permalink, c.name AS company\_name, c.founded\_year,**

**i.funded\_year, i.funding\_round\_type, i.raised\_amount\_usd**

**FROM tutorial.crunchbase\_companies c JOIN tutorial.crunchbase\_investments\_part1 i**

**ON c.permalink = i.company\_permalink**

**WHERE c.founded\_year IS NOT NULL AND i.funded\_year IS NOT NULL AND**

**i.funded\_year - c.founded\_year = 5;**