1.For different categories of acquirers, what is the average number of months since the inception of the acquired company after which they are acquired.

**SELECT**

**acquirer\_category\_code,**

**ROUND(**

**avg(**

**cast(**

**cast(acquired\_at AS date) - cast(founded\_at AS date) AS int**

**) / 30**

**),**

**0**

**) AS average\_number\_of\_months**

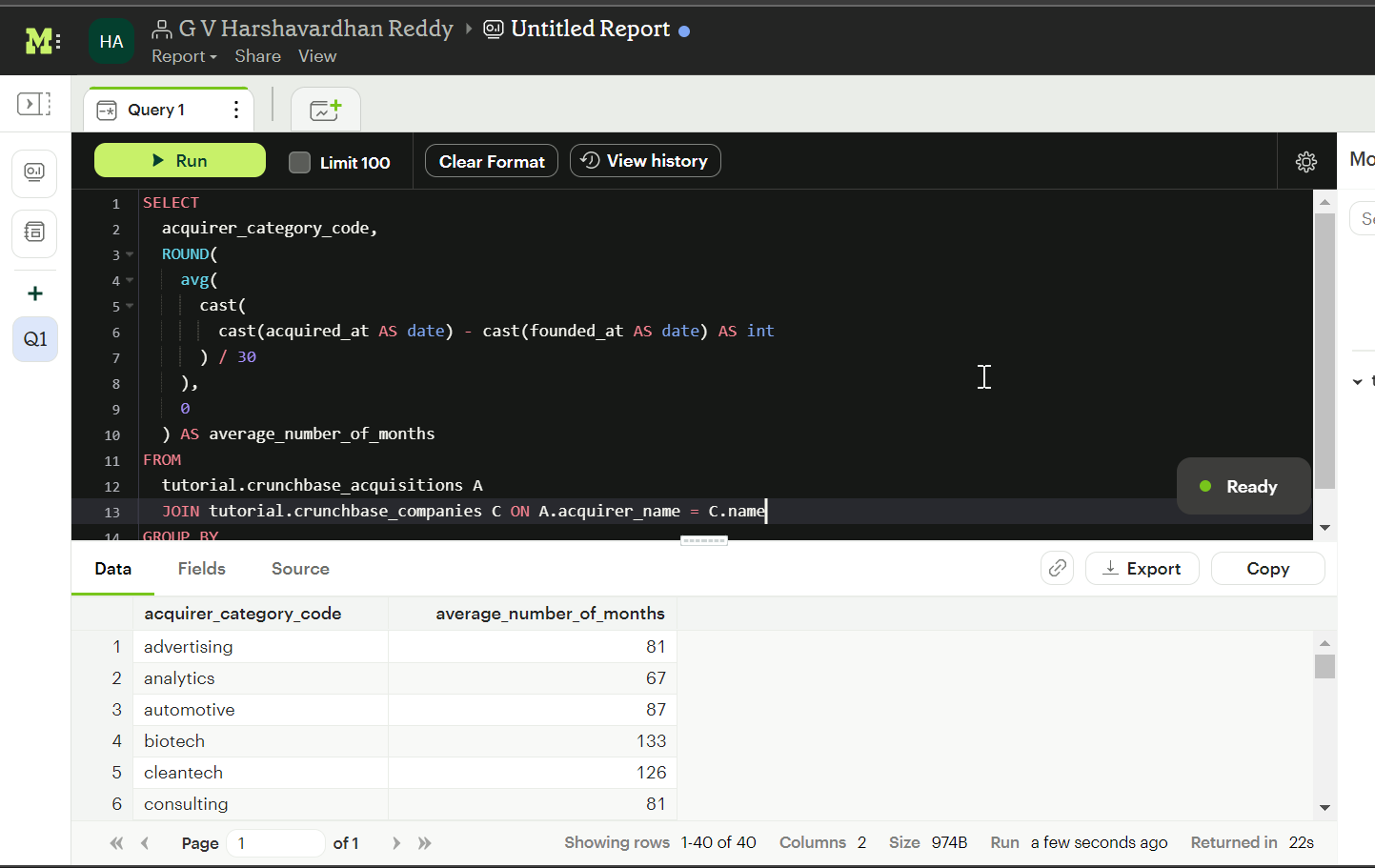
**FROM**

**tutorial.crunchbase\_acquisitions A**

**JOIN tutorial.crunchbase\_companies C ON A.acquirer\_name = C.name**

**GROUP BY**

**acquirer\_category\_code**



2.Is there any trend for quarters when more companies are acquired

**SELECT**

**RIGHT(acquired\_quarter, 2) AS quarter,**

**count(acquirer\_name) AS no\_of\_acquired\_companies**

**FROM**

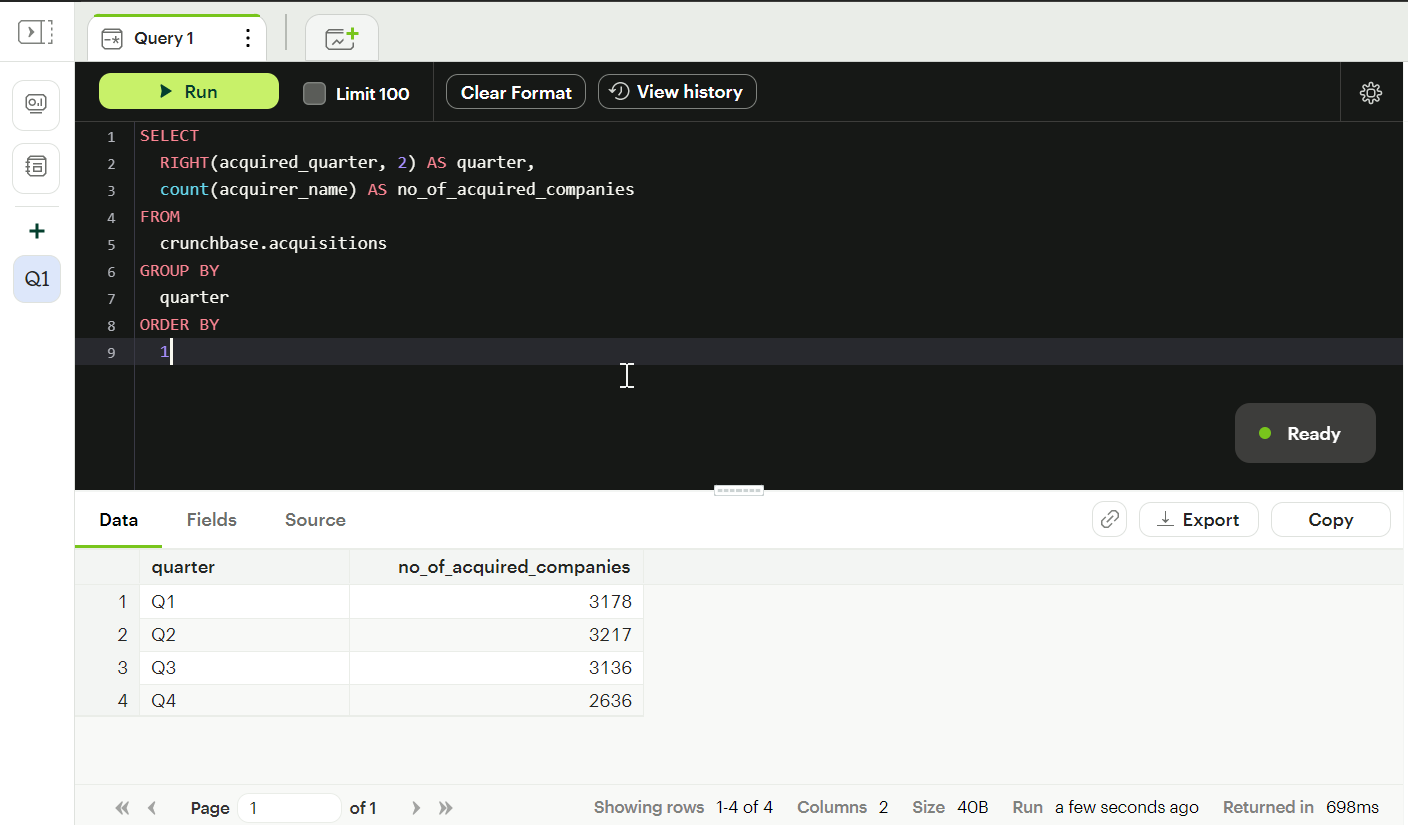
**crunchbase.acquisitions**

**GROUP BY**

**quarter**

**ORDER BY**

**1**

****

3.For each company\_category\_code identify the average raised\_amount\_usd per quarter

**SELECT**

**company\_category\_code,**

**RIGHT(funded\_quarter,2) as quarter,**

**AVG(raised\_amount\_usd) AS average\_raised\_amount**

**FROM**

**tutorial.crunchbase\_investments**

**WHERE**

**raised\_amount\_usd IS NOT NULL**

**GROUP BY**

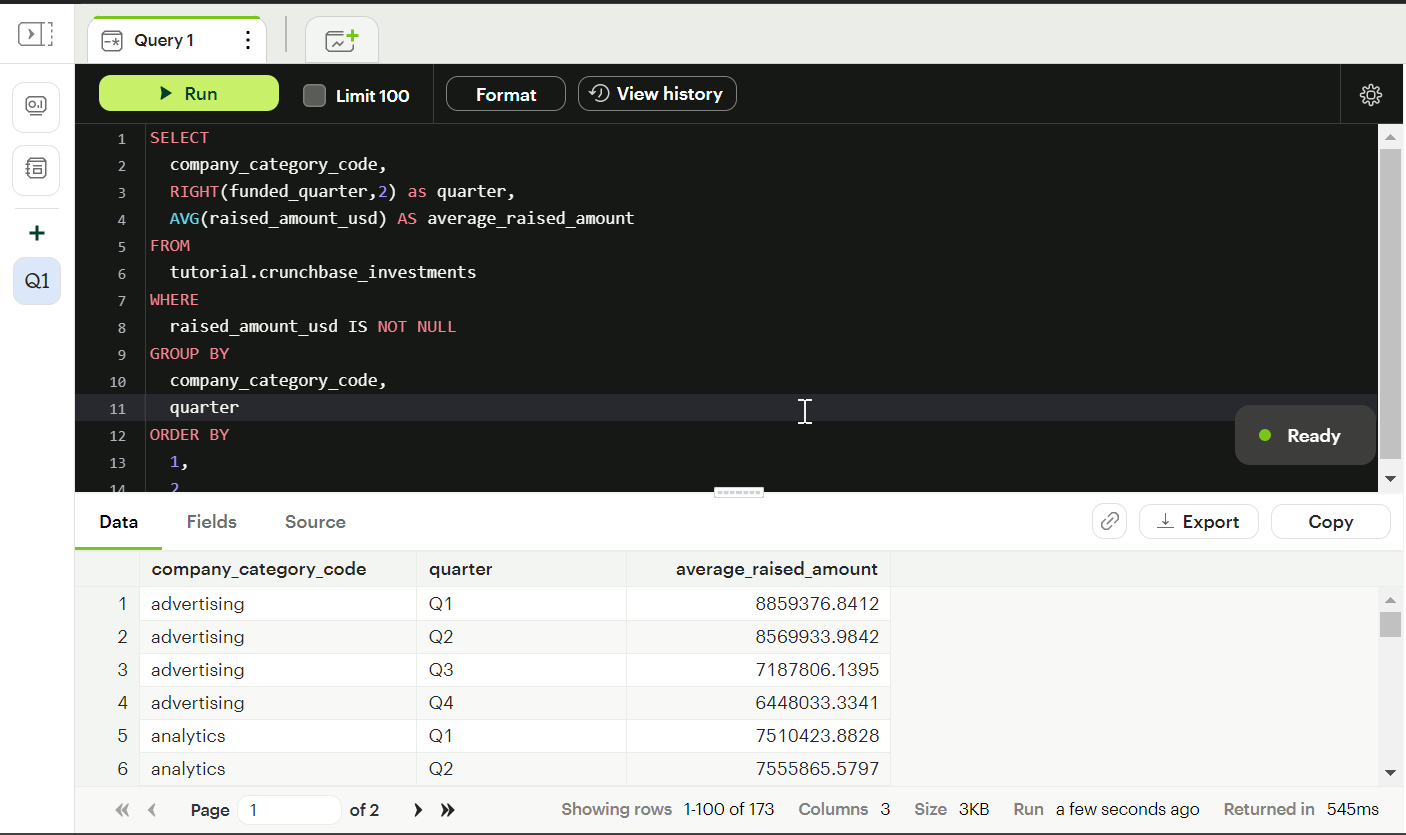
**company\_category\_code,**

**quarter**

**ORDER BY**

**1,**

**2**

****

4.Which investor (company ) is more likely to invest in USA based companies?

**SELECT**

**investor\_name,**

**COUNT(company\_name)**

**FROM**

**tutorial.crunchbase\_investments**

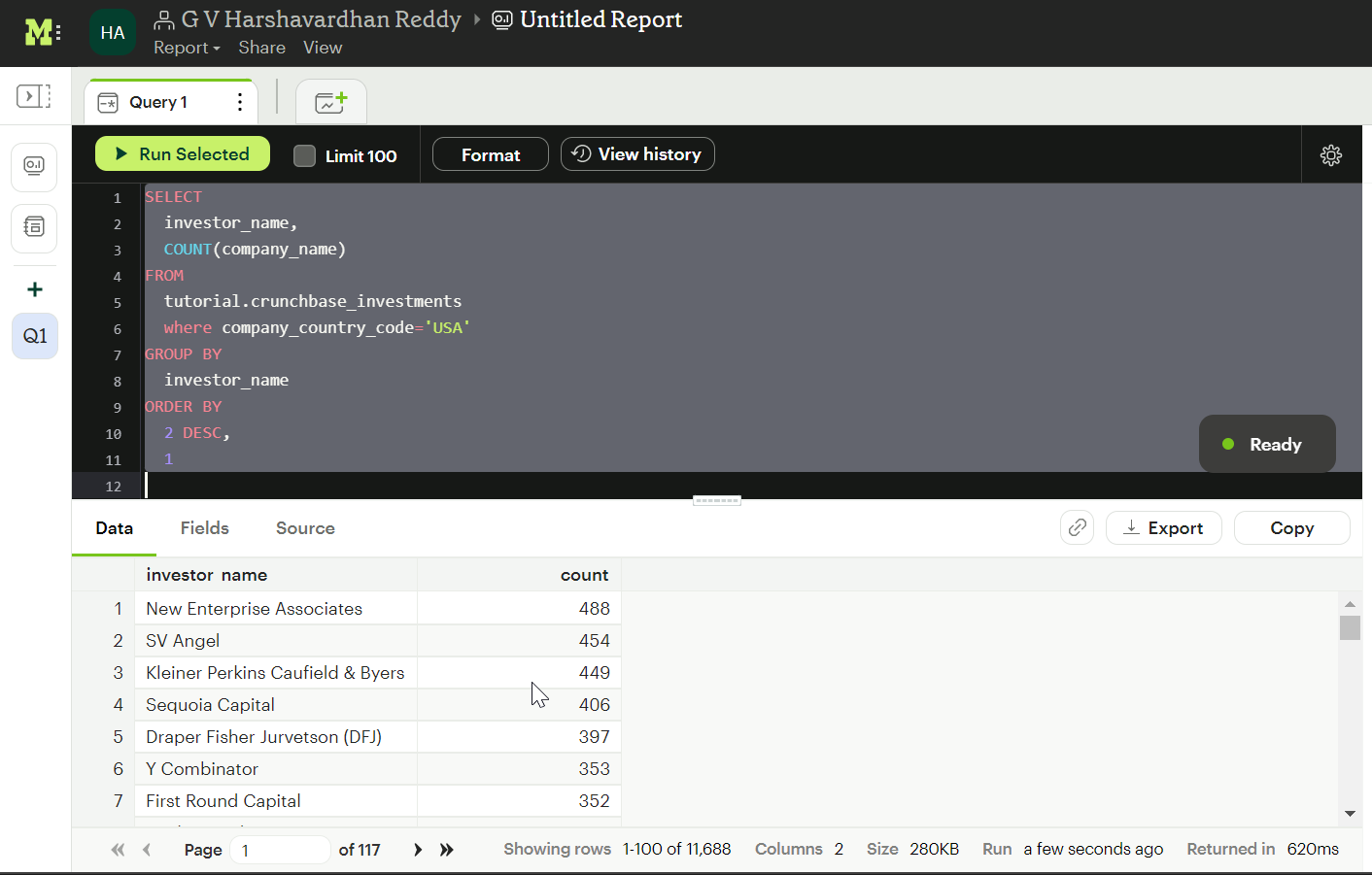
**where company\_country\_code='USA'**

**GROUP BY**

**investor\_name**

**ORDER BY**

**2 DESC,**

**1** ****

5.For different type of funding rounds, what is the average raised amount per quarter

**SELECT**

**funding\_round\_type,**

**RIGHT(funded\_quarter, 2) AS quarter,**

**AVG(raised\_amount\_usd) AS average\_amount\_raised**

**FROM**

**tutorial.crunchbase\_investments**

**WHERE**

**raised\_amount\_usd IS NOT NULL**

**GROUP BY**

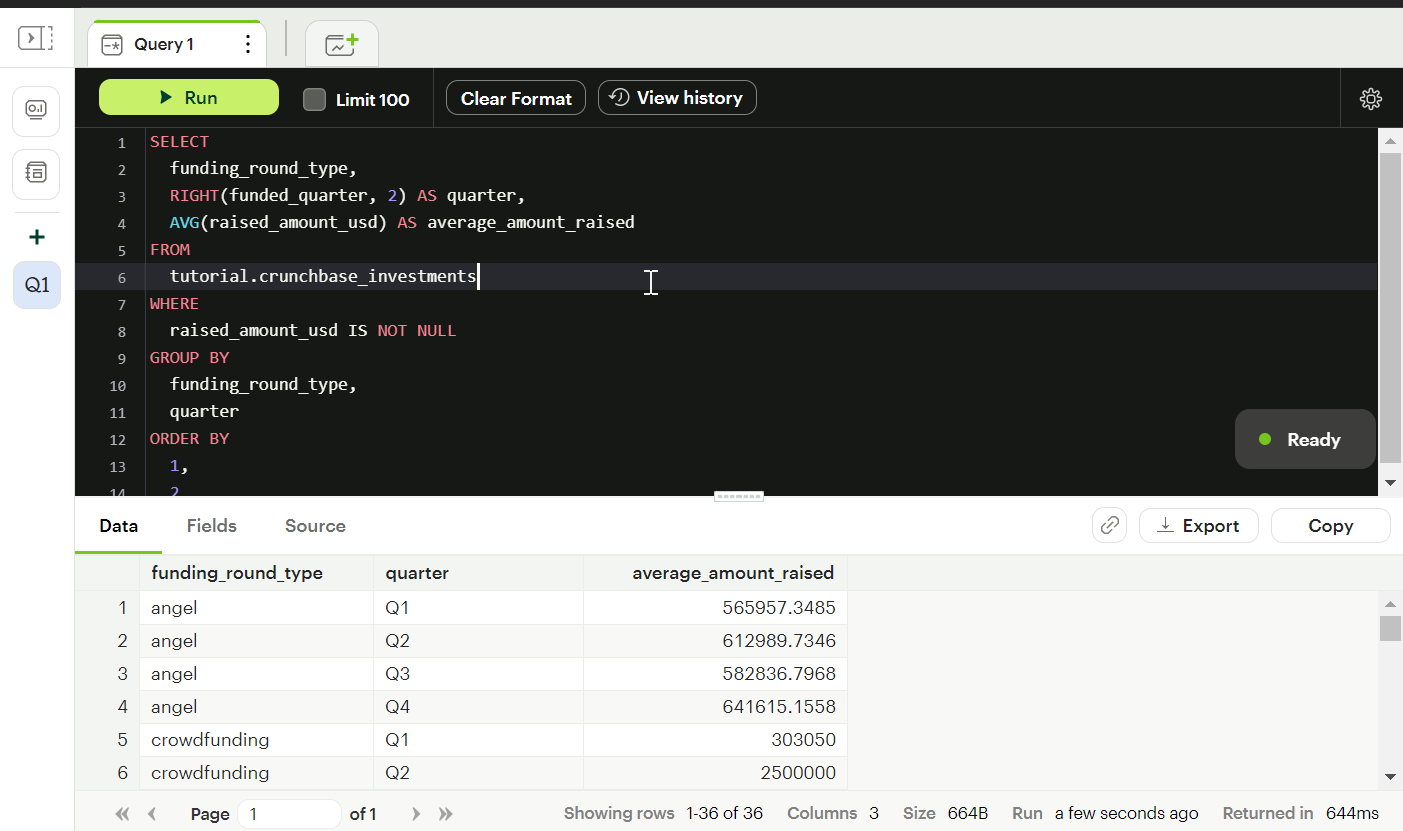
**funding\_round\_type,**

**quarter**

**ORDER BY**

**1,**

**2**

****

6.Identify companies that received an investment from Japan following an investment from Great Britain where investor is finance category company

**SELECT**

**A.company\_name**

**FROM**

**(**

**SELECT**

**company\_name,**

**investor\_country\_code,**

**lead(investor\_country\_code) over(**

**ORDER BY**

**funded\_at**

**) AS next\_investor\_company**

**FROM**

**tutorial.crunchbase\_investments**

**WHERE**

**investor\_category\_code = 'finance'**

**) A**

**WHERE**

**A.next\_investor\_company = 'GBR'**

**AND investor\_country\_code = 'JPN'** **Graphical user interface, text

Description automatically generated**

7.Out  of all 'operating' status companies, which category of companies have the highest average funding\_total\_usd?

**SELECT**

**category\_code,**

**AVG(funding\_total\_usd) AS average\_funds\_raised**

**FROM**

**tutorial.crunchbase\_companies**

**WHERE**

**STATUS = 'operating'**

**AND funding\_total\_usd IS NOT NULL**

**GROUP BY**

**category\_code**

**ORDER BY**

**2 DESC**

**LIMIT**

**A screenshot of a computer

Description automatically generated**

8.For each category, what percent of companies received funding within 3 years of their founding?

SELECT

category\_code,

(

COUNT(

CASE

WHEN (

cast(

date\_Part('year', cast(first\_funding\_at AS date)) - date\_part('year', cast(founded\_at AS date)) AS int

)

) <= 3 THEN TRUE

ELSE NULL

END

) \* 100

) / count(\*) AS percentage\_of\_companies\_which\_received\_funding\_in\_less\_than\_3years

FROM

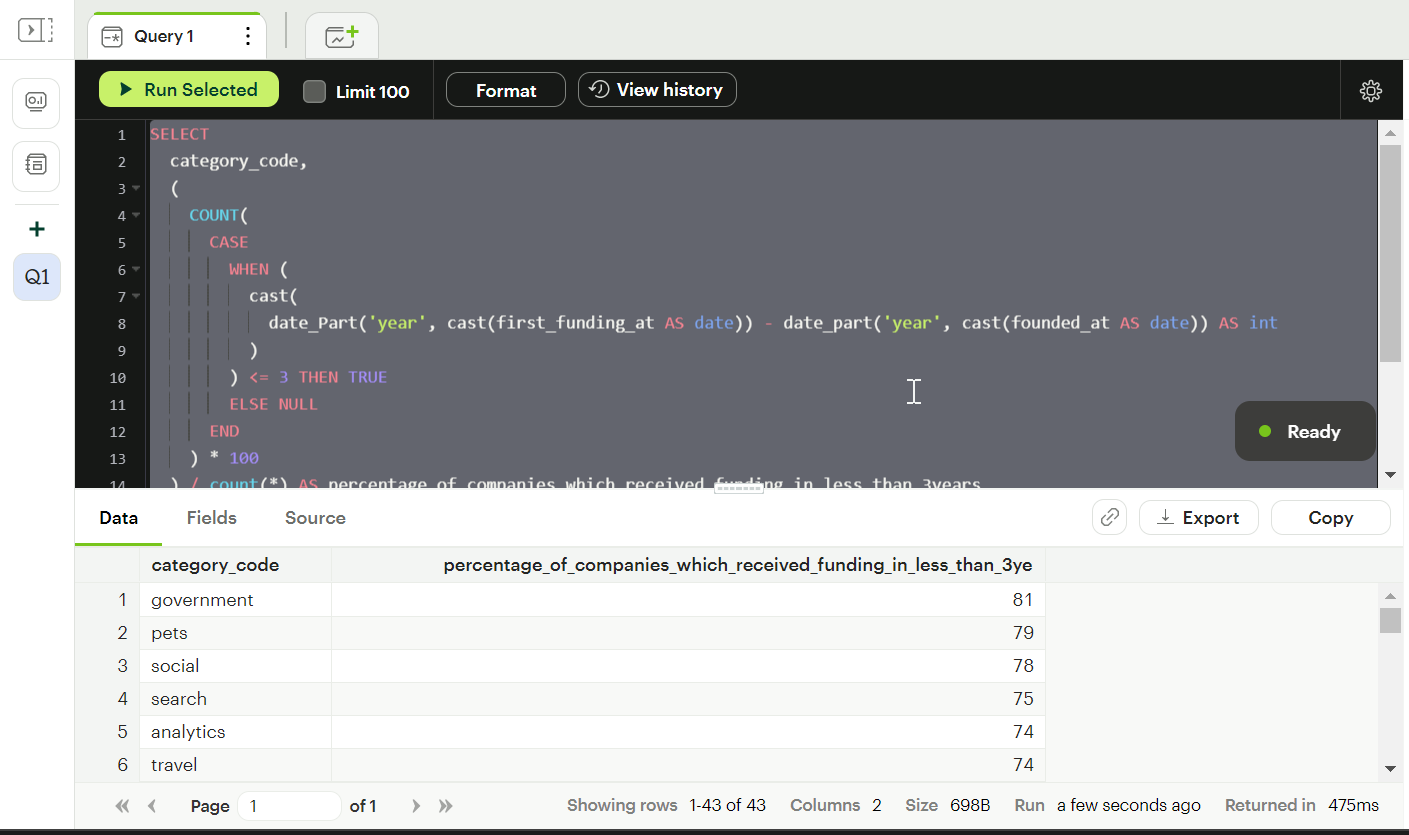
tutorial.crunchbase\_companies

GROUP BY

category\_code

ORDER BY

1. DESC



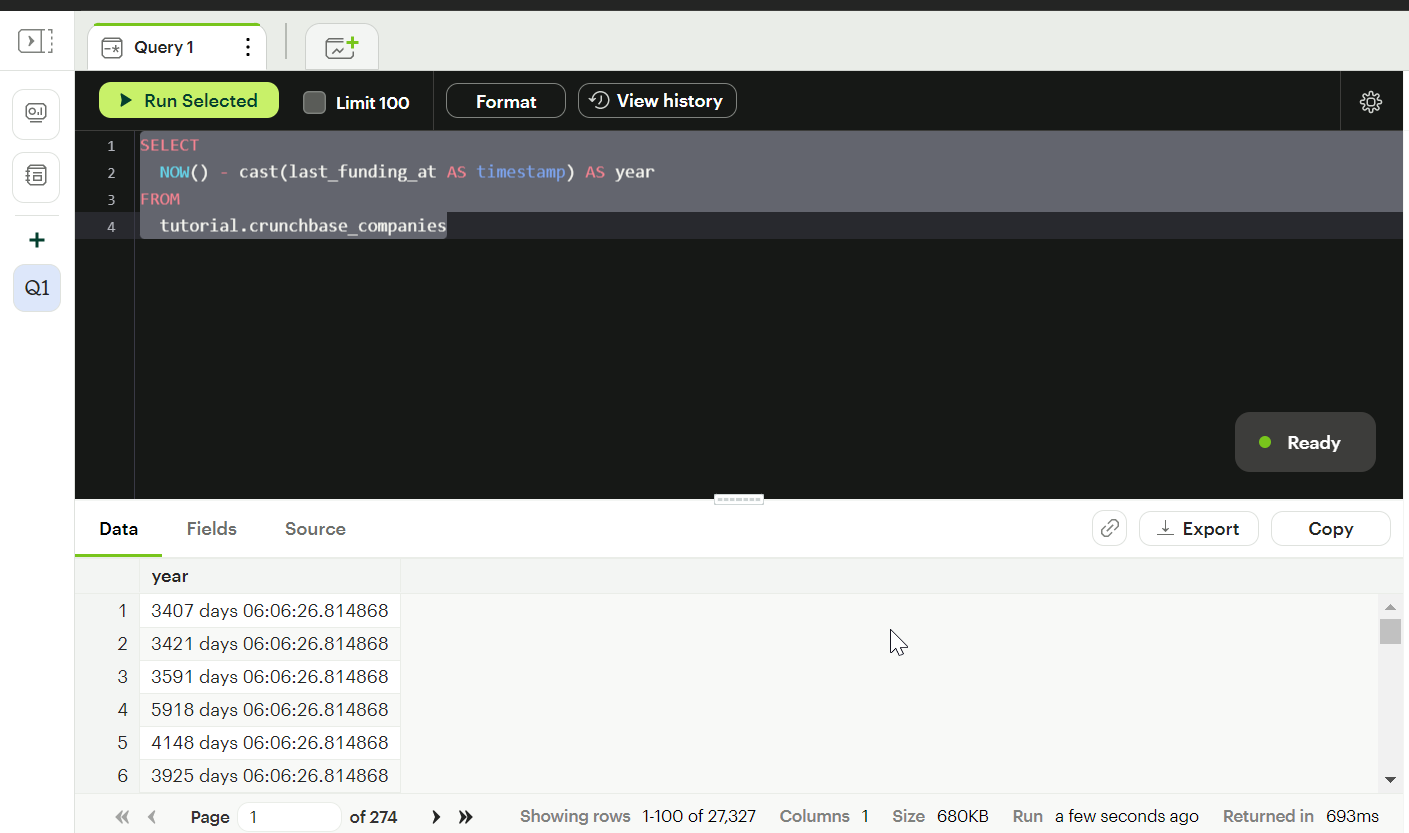
9.Clean the 'last\_funding\_at' column (convert it to time stamp) and get the time difference with the current time.

**SELECT**

**NOW() - cast(last\_funding\_at AS timestamp) AS year**

**FROM**

**tutorial.crunchbase\_companies**

****