# **SQL 201 Assignment**

1.

select m.acquirer\_category\_code,

ROUND(AVG(cast(m.acquired\_at as date)-cast(e.founded\_at as date))/12) AS avg\_months\_since\_inception

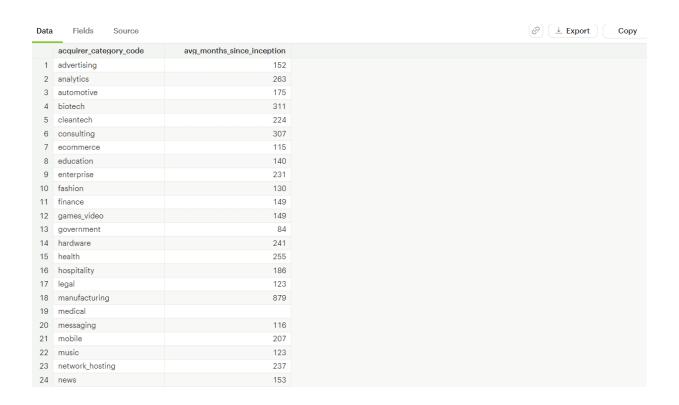
FROM tutorial.crunchbase\_companies as e

INNER JOIN tutorial.crunchbase\_acquisitions as m

on

m.company\_name=e.name

GROUP BY acquirer\_category\_code



2.

**SELECT** 

RIGHT(acquired\_quarter, 2) AS quarter,

COUNT(\*) AS num\_acquisitions

FROM tutorial.crunchbase\_acquisitions

GROUP BY RIGHT(acquired\_quarter, 2)

ORDER BY quarter;

Data	Fields	Source		
	quarter		num_acquisitions	
1	Q1		1935	
2	Q2		1786	
3	Q3		1849	
4	Q4		1844	

3.

SELECT company\_category\_code,

 $RIGHT(funded\_quarter, \, 2) \, \, AS \, \, quarter, \, ROUND(AVG(raised\_amount\_usd) \, ) \, as \, raised\_amount \, \\$ 

FROM tutorial.crunchbase\_investments

GROUP BY quarter, company\_category\_code;

Data	Fields Source		
	company_category_code	quarter	raised_amount
1	advertising	Q1	8859377
2	analytics	Q1	7510424
3	automotive	Q1	26292052
4	biotech	Q1	17641133
5	cleantech	Q1	25273150
6	consulting	Q1	10154002
7	design	Q1	5664423
8	ecommerce	Q1	10800079
9	education	Q1	5859928
10	enterprise	Q1	10352576
11	fashion	Q1	6432551
12	finance	Q1	13541043
13	games_video	Q1	11188972
14	government	Q1	1001562
15	hardware	Q1	11143956
16	health	Q1	7905787
17	hospitality	Q1	5519834
18	legal	Q1	12735799
19	local	Q1	9055000
20	manufacturing	Q1	11192059
21	medical	Q1	18391424
22	messaging	Q1	9223256
23	mobile	Q1	9565700
24	m	01	0000142

SELECT investor\_name,COUNT(company\_name) as no\_times\_invested
FROM tutorial.crunchbase\_investments
WHERE investor\_country\_code='USA'
GROUP BY investor\_name

ORDER BY no\_times\_invested DESC

LIMIT 10

Data	Fields Source	
	investor_name	no_times_invested
1	Sequoia Capital	553
2	Intel Capital	544
3	New Enterprise Associates	513
4	Accel Partners	501
5	SV Angel	489
6	Kleiner Perkins Caufield & Byers	484
7	Y Combinator	476
8	Draper Fisher Jurvetson (DFJ)	472
9	500 Startups	375
10	First Round Capital	368

# 5.

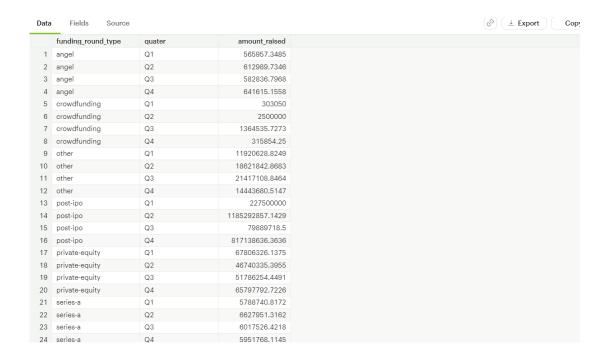
SELECT funding\_round\_type,

RIGHT(funded\_quarter,2) as quater,

AVG(raised\_amount\_usd) as amount\_raised

FROM tutorial.crunchbase\_investments

GROUP BY funding\_round\_type,quarter



6.

#### **SELECT**

DISTINCT(company\_name),curr\_investor\_country,prev\_investor\_country,investor\_category\_code

### FROM (SELECT

company\_name,

investor\_country\_code AS curr\_investor\_country,

CAST(funded\_at AS DATE),

investor\_category\_code,

LAG(investor\_country\_code)

OVER (ORDER BY CAST(funded\_at AS DATE))AS prev\_investor\_country

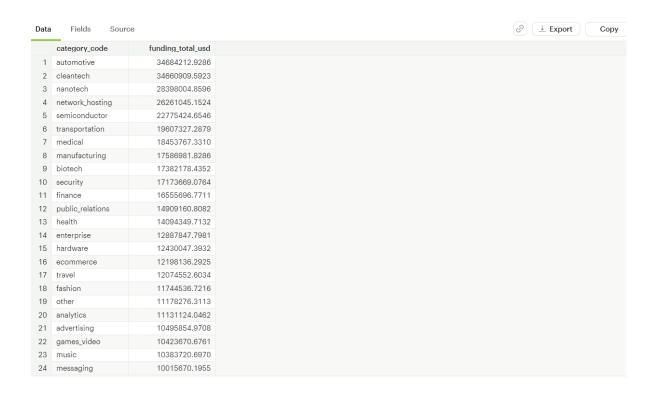
FROM tutorial.crunchbase\_investments

WHERE investor\_country\_code IN ('JPN','GBR') AND investor\_category\_code='finance' ) AS t WHERE curr\_investor\_country='JPN' AND prev\_investor\_country='GBR'

	company_name	curr_investor_country	prev_investor_country	investor_category_code
1	Anipipo	JPN	GBR	finance
2	A's Child	JPN	GBR	finance
3	Bukupe	JPN	GBR	finance
4	Dimers Lab	JPN	GBR	finance
5	edulio	JPN	GBR	finance
6	fanbook Inc.	JPN	GBR	finance
7	FlyBridGe	JPN	GBR	finance
8	NOBOT	JPN	GBR	finance
9	nokisaki.com	JPN	GBR	finance
0	Sassor	JPN	GBR	finance
1	Synclogue	JPN	GBR	finance
2	tritrue	JPN	GBR	finance
3	Visionary Fun	JPN	GBR	finance

#### 7.

SELECT category\_code, AVG(funding\_total\_usd) as funding\_total\_usd
FROM tutorial.crunchbase\_companies\_clean\_date
WHERE status='operating' and category\_code is NOT NULL
GROUP BY category\_code
ORDER by funding\_total\_usd DESC



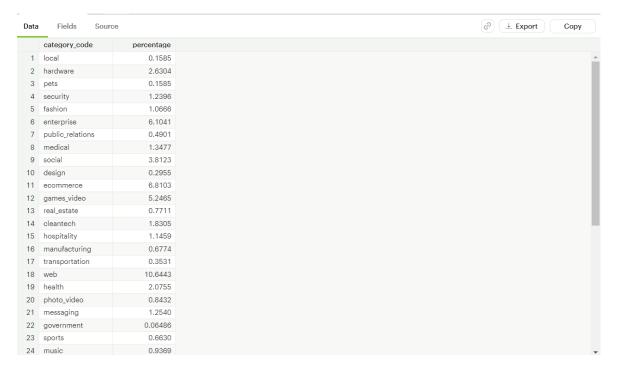
SELECT category\_code, COUNT(category\_code)\*100.0/(SELECT COUNT(\*) from tutorial.crunchbase\_companies

WHERE cast(first\_funding\_at as date)-cast(founded\_at as date) <= 1095 AND category\_code is NOT NULL) as Percentage

FROM tutorial.crunchbase\_companies

WHERE cast(first\_funding\_at as date)-cast(founded\_at as date) <= 1095 AND category\_code is NOT NULL

#### GROUP BY category\_code



9.

SELECT NOW()-cast(last\_funding\_at as date) as dayscount

## FROM tutorial.crunchbase\_companies

```
3406 days 17:51:16.112039
    3420 days 17:51:16.112039
     3590 days 17:51:16.112039
    5917 days 17:51:16.112039
 5
     4147 days 17:51:16.112039
    3924 days 17:51:16.112039
     4571 days 17:51:16.112039
    3925 days 17:51:16.112039
5489 days 17:51:16.112039
 8
    3738 days 17:51:16.112039
11
     4411 days 17:51:16.112039
    4110 days 17:51:16.112039
12
    4213 days 17:51:16.112039
14
    4425 days 17:51:16.112039
     3361 days 17:51:16.112039
15
    3424 days 17:51:16.112039
17
     4612 days 17:51:16.112039
    6297 days 17:51:16.112039
18
     4138 days 17:51:16.112039
20 4770 days 17:51:16.112039
```