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
```

Data Fields Source Export Copy

	acquirer_category_code	avg_months_since_inception
1	advertising	152
2	analytics	263
3	automotive	175
4	biotech	311
5	cleantech	224
6	consulting	307
7	ecommerce	115
8	education	140
9	enterprise	231
10	fashion	130
11	finance	149
12	games_video	149
13	government	84
14	hardware	241
15	health	255
16	hospitality	186
17	legal	123
18	manufacturing	879
19	medical	
20	messaging	116
21	mobile	207
22	music	123
23	network_hosting	237
24	news	153

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	music	Q1	8960143

4.

```
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
```

Data Fields Source Export Copy

	funding_round_type	quater	amount_raised
1	angel	Q1	565957.3485
2	angel	Q2	612989.7346
3	angel	Q3	582836.7968
4	angel	Q4	641615.1558
5	crowdfunding	Q1	303050
6	crowdfunding	Q2	2500000
7	crowdfunding	Q3	1364535.7273
8	crowdfunding	Q4	315854.25
9	other	Q1	11920628.8249
10	other	Q2	18621842.8683
11	other	Q3	21417108.8464
12	other	Q4	14443680.5147
13	post-ipo	Q1	227500000
14	post-ipo	Q2	1185292857.1429
15	post-ipo	Q3	79889718.5
16	post-ipo	Q4	817138636.3636
17	private-equity	Q1	67806326.1375
18	private-equity	Q2	46740335.3955
19	private-equity	Q3	51786254.4491
20	private-equity	Q4	65797792.7226
21	series-a	Q1	5788740.8172
22	series-a	Q2	6627951.3162
23	series-a	Q3	6017526.4218
24	series-a	Q4	5951768.1145

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'
```

Data Fields Source

	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
10	Sassor	JPN	GBR	finance
11	Synclogue	JPN	GBR	finance
12	tritrue	JPN	GBR	finance
13	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
```

Data Fields Source Export Copy

	category_code	funding_total_usd
1	automotive	34684212.9286
2	cleantech	34660909.5923
3	nanotech	28398004.8596
4	network_hosting	26261045.1524
5	semiconductor	22775424.6546
6	transportation	19607327.2879
7	medical	18453767.3310
8	manufacturing	17586981.8286
9	biotech	17382178.4352
10	security	17173669.0764
11	finance	16555696.7711
12	public_relations	14909160.8082
13	health	14094349.7132
14	enterprise	12887847.7981
15	hardware	12430047.3932
16	ecommerce	12198136.2925
17	travel	12074552.6034
18	fashion	11744536.7216
19	other	11178276.3113
20	analytics	11131124.0462
21	advertising	10495854.9708
22	games_video	10423670.6761
23	music	10383720.6970
24	messaging	10015670.1955

8.

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

Data Fields Source Export Copy

	category_code	percentage
1	local	0.1585
2	hardware	2.6304
3	pets	0.1585
4	security	1.2396
5	fashion	1.0666
6	enterprise	6.1041
7	public_relations	0.4901
8	medical	1.3477
9	social	3.8123
10	design	0.2955
11	ecommerce	6.8103
12	games_video	5.2465
13	real_estate	0.7711
14	cleantech	1.8305
15	hospitality	1.1459
16	manufacturing	0.6774
17	transportation	0.3531
18	web	10.6443
19	health	2.0755
20	photo_video	0.8432
21	messaging	1.2540
22	government	0.06486
23	sports	0.6630
24	music	0.9369

9.

SELECT NOW()-cast(last_funding_at as date) as dayscount

FROM tutorial.crunchbase_companies

	dayscount
1	3406 days 17:51:16.112039
2	3420 days 17:51:16.112039
3	3590 days 17:51:16.112039
4	5917 days 17:51:16.112039
5	4147 days 17:51:16.112039
6	3924 days 17:51:16.112039
7	4571 days 17:51:16.112039
8	3925 days 17:51:16.112039
9	5489 days 17:51:16.112039
10	3738 days 17:51:16.112039
11	4411 days 17:51:16.112039
12	4110 days 17:51:16.112039
13	4213 days 17:51:16.112039
14	4425 days 17:51:16.112039
15	3361 days 17:51:16.112039
16	3424 days 17:51:16.112039
17	4612 days 17:51:16.112039
18	6297 days 17:51:16.112039
19	4138 days 17:51:16.112039
20	4770 days 17:51:16.112039