ASSIGNMENT-1

Question1)

Sol: --select cast(acquired\_at as date) from tutorial.crunchbase\_acquisitions

select acquirer\_category\_code,avg(at-ft)

from(

select t2.acquirer\_category\_code,cast(t2.acquired\_at as date) as at,cast(t1.founded\_at as date)as ft from tutorial.crunchbase\_companies t1 inner join tutorial.crunchbase\_acquisitions t2

on t1.permalink=t2.acquirer\_permalink

)as tt

group by acquirer\_category\_code

Table

Description automatically generated

Question 2)

select quarter,count(acquired\_month)

from(

select RIGHT(acquired\_quarter,2) as quarter, acquired\_month

from tutorial.crunchbase\_acquisitions)as tt

group by quarter

Table

Description automatically generated

question 3)

select (category\_code), AVG(funding\_total\_usd) from tutorial.crunchbase\_companies

where category\_code is not null

group by category\_code

Table

Description automatically generated

question4)

select investor\_name,count(investor\_category\_code) from tutorial.crunchbase\_investments

where investor\_country\_code='USA'

group by investor\_name

order by count(investor\_category\_code) DESC

Table

Description automatically generated

Question 5)

select funding\_round\_type,rt,avg(raised\_amount\_usd)

from

(select funding\_round\_type,RIGHT(funded\_quarter,2) as rt, raised\_amount\_usd

from tutorial.crunchbase\_investments)as tt

group by funding\_round\_type,rt

Graphical user interface

Description automatically generated with medium confidence

Question 6)

select AA.company\_name from

(select company\_name, investor\_country\_code

from tutorial.crunchbase\_investments\_part1) as AA,

(select company\_name, investor\_country\_code

from tutorial.crunchbase\_investments\_part2 where investor\_category\_code='finance') as BB

where AA.company\_name = BB.company\_name and AA.investor\_country\_code='JPN'

and BB.investor\_country\_code='ISR'

Result:No results

question 7)

select category\_code,avg(funding\_total\_usd) as average

from tutorial.crunchbase\_companies

where status='operating'

group by category\_code

order by average desc

Table

Description automatically generated

Question 8)

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

Sol:

select A.category,A.count/B.count\*100 as percentage from

(

select category, cast(count(\*) as float) from

(

select category,(fft-ft)as days

from

(select category\_code as category,

cast(founded\_at as date) as ft,cast(first\_funding\_at as date) as fft

from tutorial.crunchbase\_companies

where category\_code is not null)

as t11

where ft is not null and fft is not null) as num

where days <= 1095

group by category )as A,

(select category, cast(count(\*) as float) from

(select category,(fft-ft)as days

from

(select category\_code as category,

cast(founded\_at as date) as ft,cast(first\_funding\_at as date) as fft

from tutorial.crunchbase\_companies

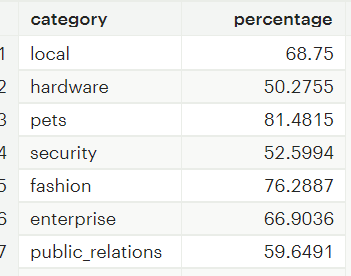
where category\_code is not null)

as t11

where ft is not null and fft is not null)as dum

group by category)as B

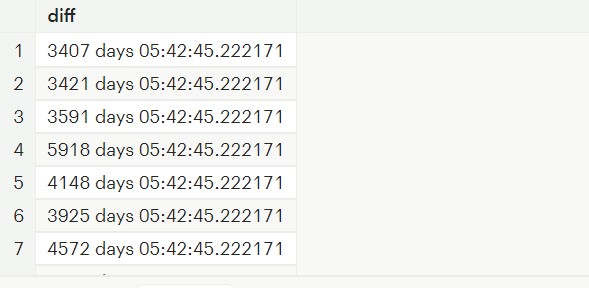
where A.category=B.category



question 9)

select localtimestamp-cast(last\_funding\_at as timestamp) as diff

from tutorial.crunchbase\_companies



question 10)

select category\_code,sum(funding\_rounds) as sumfundingrounds

from tutorial.crunchbase\_companies

where category\_code is not null

group by category\_code

order by sumfundingrounds desc

Table

Description automatically generated

ASSIGNMENT-2

select airname,c1,c2,percentage,cancel,tcan,dense\_rank() over (order by percentage) as q6,dense\_rank()

over (order by ccity)as q7

from

(select airname,c1,c2,c2/c1\*100 as percentage,cancel, cancel/c1 \*100 as tcan, ccity

from

(SELECT t1.airline\_name as airname,cast(count(t1.airline\_name) as float) as c1,cast(sum(

CASE

when t1.arrival\_delay>0 then 1

else 0

end)as float)as c2,cast(sum(t2.cancelled) as float) as cancel, count(distinct t1.destination\_city) as ccity

FROM

tutorial.flights as t1

inner join tutorial.us\_flights as t2

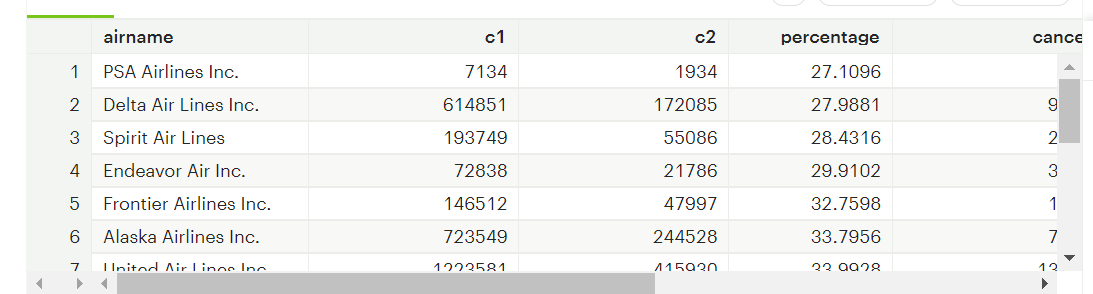
on t1.flight\_number=t2.flight\_num

inner join tutorial.flight\_revenue as t3

on t1.destination\_airport=t3.destination\_airport

group by t1.airline\_name) as tt1

)as tt2



Graphical user interface, table

Description automatically generated