

[Open in app](#)**Medium** Search

Be part of a better internet. [Get 20% off membership for a limited time](#)

# SQL-Case Study-3



Deepak Singh

3 min read · Just now



Listen



Share

 More

shark-tank-sql-case-study

Task-1:

You Team have to promote shark Tank India season 4, The senior come up with the idea to show highest funding domain wise and you were assigned the task to show the same.

```
SELECT *
FROM (
    SELECT industry, `Total_Deal_Amount(in_lakhs)`,
           ROW_NUMBER() OVER (PARTITION BY industry ORDER BY `Total_Deal_Amount`
                             FROM sharktank
    ) t
WHERE rnk = 1;
```

	industry	Total_Deal_Amount(in_lakhs)	rnk
▶	Agriculture	75	1
	Animal/Pets	60	1
	Beauty/Fashion	300	1
	Education	150	1
	Electronics	200	1

Result 1 x

Task-2:

You have been assigned the role of finding the domain where female as pitchers have female to male pitcher ratio >70%

```
select * ,(female/Male)*100 as ratio from
(
select Industry, sum(female_presenters) as 'Female', sum(male_presenters) as 'Male'
)m where (female/Male)*100>70
```

	Industry	Female	Male	ratio
▶	Beauty/Fashion	77	90	85.5556
	Education	11	15	73.3333
	Animal/Pets	5	7	71.4286

### Task-3:

You are working at marketing firm of Shark Tank India, you have got the task to determine volume of per year sale pitch made, pitches who received offer and pitches that were converted. Also show the percentage of pitches converted and percentage of pitches received.

```
select k.season_number , k.total_pitches , m.pitches_received, ((pitches_received/pitches_received)*100) as 'Percentage pitches converted'
from
(
(
select season_number , count(startup_Name) as 'Total_pitches' from sharktank
)k
inner join
(
select season_number , count(startup_name) as 'Pitches_Received' from sharktank
)m on k.season_number= m.season_number
inner join
(
select season_number , count(Accepted_offer) as 'Pitches_Converted' from sharktank
)l on m.season_number= l.season_number
)
```

	season_number	total_pitches	pitches_received	percentage pitches received	pitches_converted	Percentage pitches converted
▶	1	152	96	63.1579	70	72.9167
	2	169	121	71.5976	106	87.6033
	3	157	104	66.2420	92	88.4615

#### Task-4:

As a venture capital firm specializing in investing in startups featured on a renowned entrepreneurship TV show, how would you determine the season with the highest average monthly sales and identify the top 5 industries with the highest average monthly sales during that season to optimize investment decisions? Get the season with the highest average monthly sales

```

SELECT season_number INTO @seas
FROM (
    SELECT season_number, ROUND(AVG(`Monthly_Sales(in_lakhs)`), 2) AS average
    FROM sharktank
    WHERE `Monthly_Sales(in_lakhs)` != 'Not_mentioned'
    GROUP BY season_number
) k
ORDER BY average DESC
LIMIT 1;

-- Verify the value of @seas
SELECT @seas;

-- Get the top 5 industries by average monthly sales for the selected season
SELECT industry, ROUND(AVG(`Monthly_Sales(in_lakhs)`), 2) AS average
FROM sharktank
WHERE season_number = @seas AND `Monthly_Sales(in_lakhs)` != 'Not_mentioned'
GROUP BY industry
ORDER BY average DESC
LIMIT 5;

```

	industry	average
▶	Electronics	3500
	Furnishing/Household	211.8
	Beauty/Fashion	101.86
	Others	70
	Manufacturing	69.4

#### Task-5:

In the world of startup investing, we're curious to know which big-name investor, often referred to as "sharks," tends to put the most money into each deal on average. This comparison helps us see who's the most generous with their investments and how they measure up against their fellow investors.

```
SELECT sharkname, ROUND(AVG(investment), 2) AS 'average'
FROM (
    SELECT `Namita_Investment_Amount(in_lakhs)` AS investment, 'Namita' AS sharkname
    FROM sharktank
    WHERE `Namita_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Vineeta_Investment_Amount(in_lakhs)` AS investment, 'Vineeta' AS sharkname
    FROM sharktank
    WHERE `Vineeta_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Anupam_Investment_Amount(in_lakhs)` AS investment, 'Anupam' AS sharkname
    FROM sharktank
    WHERE `Anupam_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Aman_Investment_Amount(in_lakhs)` AS investment, 'Aman' AS sharkname
    FROM sharktank
    WHERE `Aman_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Peyush_Investment_Amount(in_lakhs)` AS investment, 'Peyush' AS sharkname
    FROM sharktank
    WHERE `Peyush_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Amit_Investment_Amount(in_lakhs)` AS investment, 'Amit' AS sharkname
    FROM sharktank
    WHERE `Amit_Investment_Amount(in_lakhs)` > 0
    UNION ALL
    SELECT `Ashneer_Investment_Amount` AS investment, 'Ashneer' AS sharkname
    FROM sharktank
    WHERE `Ashneer_Investment_Amount` > 0
) k
GROUP BY sharkname;
```

	sharkname	average
▶	Namita	33.71
	Vineeta	31.25
	Anupam	29.99
	Aman	34.89
	Peyush	35.92