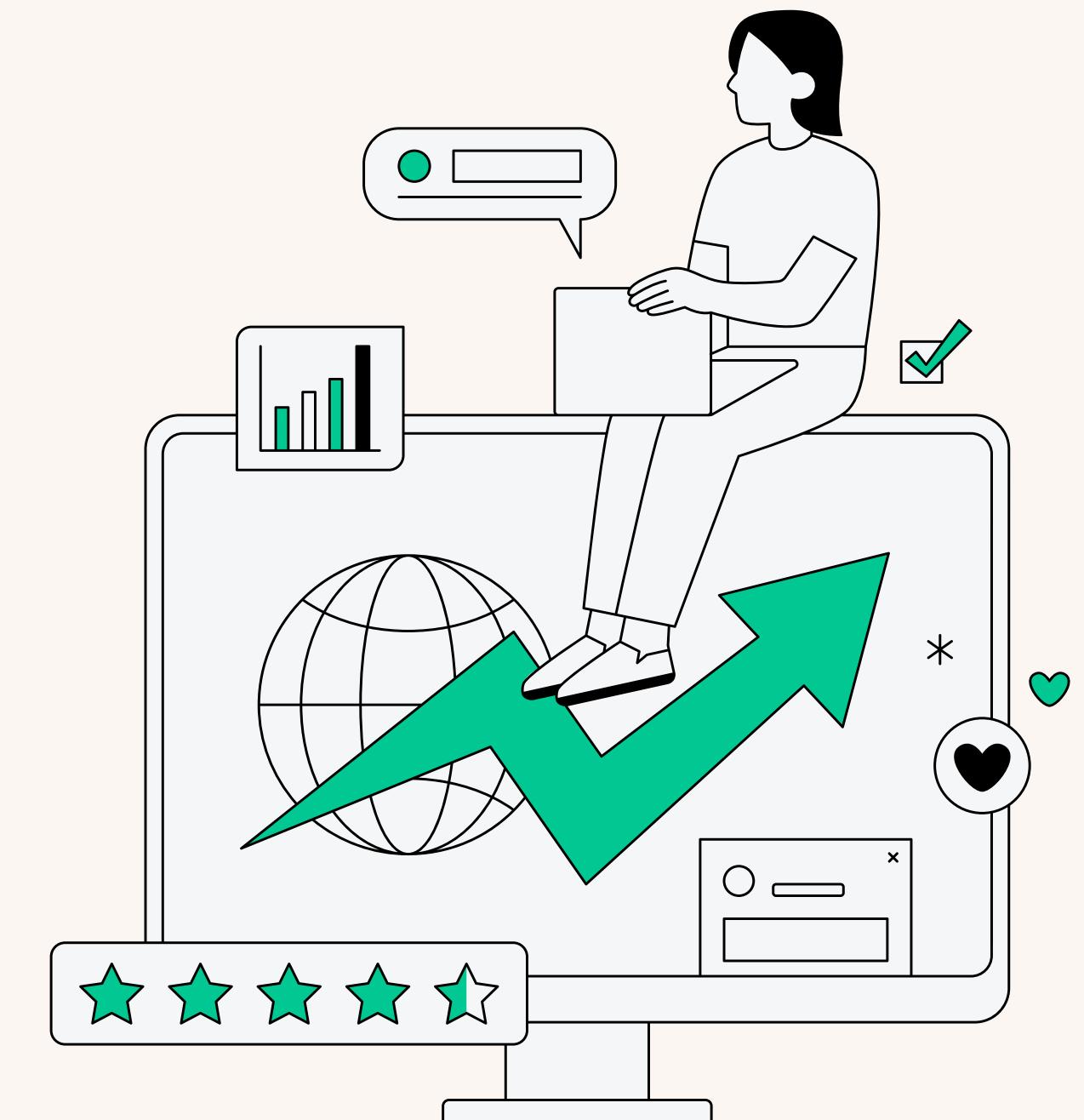


Shark Tank Analysis

SQL Case Study



Steps for Data Loading

Data Acquisition: Initially obtained the dataset from Kaggle, which was in an unclean state.

Data Cleaning: Utilized Python for comprehensive data cleaning, as the dataset could not be loaded directly into MySQL due to its unstructured nature.

Data Loading: Successfully loaded the cleaned data into MySQL Workbench for further analysis and manipulation.

Utilising Python for Cleaning the data

```
#IMPORTING LIBRARIES
import numpy as np
import pandas as pd

#LOADING DATA
data = pd.read_csv("Shark Tank India (impure).csv")
```

Season_Number	Startup_Name	Episode_Number	Pitch_Number	Season_Start	Season_End	Original_Air_Date	Episode_Title	Anchor	Industry	
0	1	BluePineFoods	1	1	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	Food
1	1	BoozScooters	1	2	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	Vehicles/Electrical0Vehicles
2	1	HeartUpMySleeves	1	3	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	Beauty/Fashion
3	1	TagzFoods	2	4	2021-12-20	2022-02-04	2021-12-21	Insaan,0Ideas0Aur0Sapne	Rannvijay0Singh	Food
4	1	HeadAndHeart	2	5	2021-12-20	2022-02-04	2021-12-21	Insaan,0Ideas0Aur0Sapne	Rannvijay0Singh	Education
...	
473	3	\$KrishnaRama	51	474	2024-01-22	2024-03-31	2024-03-30	Brilliant0Businesses	Snehil0Dixit0Mehra	Entertainment
474	3	Rentit4me	51	475	2024-01-22	2024-03-31	2024-03-30	Brilliant0Businesses	Snehil0Dixit0Mehra	Services
475	3	CoolTheGlobe	52	476	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	Others
476	3	Canvaloop	52	477	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	Manufacturing
477	3	DigitalPaani	52	478	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	Manufacturing

Converting the required columns into datetime format

```
#CONVENTTING DATA COLUMN IN DATE TIME DATATYPE.  
data['Season_Start']=pd.to_datetime(data['Season_Start'])  
data['Season_End']=pd.to_datetime(data['Season_End'])  
data['Original_Air_Date']=pd.to_datetime(data['Original_Air_Date'])
```

Dropping Unnecessary columns

```
#DROP UN-NECESSARY COLUMNS  
data.drop(columns=['Company_Website','Original_Air_Date','Episode_Title','Gross_Margin','Net_Margin','EBITDA','Cash_Burn','SKUs','Has_Patents','Bootstrapped'], inplace=True)
```

Checking for null values

Season_Number	0
Startup_Name	0
Episode_Number	0
Pitch_Number	0
Season_Start	0
Season_End	0
Original_Air_Date	31
Episode_Title	0
Anchor	0
Industry	0
Business_Description	0
Company_Website	12
Started_in	123
Number_of_Presenters	0
Male_Presenters	66
Female_Presenters	252
Transgender_Presenters	475
Couple_Presenters	5

Couple_Presenters	5
Pitchers_Average_Age	0
Pitchers_City	5
Pitchers_State	4
Yearly_Revenue(in_lakhs)	237
Monthly_Sales(in_lakhs)	253
Gross_Margin	349
Net_Margin	405
...	
Aman_Present	58
Peyush_Present	171
Amit_Present	341
Ashneer_Present	379

Handling Null Values

```
#TREATING NULL VALUES OF STARTED_IN COLUMN  
data['Started_in']=data['Started_in'].fillna("Not Mentioned")  
  
#TREATING NULL VALUES FOR COLUMN.  
data['Male_Presenters']=data['Male_Presenters'].fillna(0)  
data['Female_Presenters']=data['Female_Presenters'].fillna(0)  
data['Transgender_Presenters']=data['Transgender_Presenters'].fillna(0)  
data['Couple_Presenters']=data['Couple_Presenters'].fillna(0)  
data['Pitchers_City']=data['Pitchers_City'].fillna('Not Mentioned')
```

```
#TREATING NULL VALUES FOR COLUMN.  
data['Pitchers_State']=data['Pitchers_State'].fillna('Not Mentioned')  
data['Accepted_offer']= data['Accepted_offer'].fillna("No Offer Received.")  
data['Total_Deal_Amount(in_lakhs)']= data['Total_Deal_Amount(in_lakhs)'].fillna(0)  
data['Total_Deal_Equity(%)']= data['Total_Deal_Equity(%)'].fillna(0)  
data['Number_of_Sharks_in_Deal']= data['Number_of_Sharks_in_Deal'].fillna(0)  
data['Namita_Investment_Amount(in lakhs)']= data['Namita_Investment_Amount(in lakhs)'].fillna(0)  
data['Vineeta_Investment_Amount(in lakhs)']= data['Vineeta_Investment_Amount(in lakhs)'].fillna(0)  
data['Anupam_Investment_Amount(in lakhs)']= data['Anupam_Investment_Amount(in lakhs)'].fillna(0)  
data['Aman_Investment_Amount(in lakhs)']= data['Aman_Investment_Amount(in lakhs)'].fillna(0)  
data['Peyush_Investment_Amount((in lakhs))']= data['Peyush_Investment_Amount((in lakhs))'].fillna(0)  
data['Amit_Investment_Amount(in lakhs)']= data['Amit_Investment_Amount(in lakhs)'].fillna(0)  
data['Ashneer_Investment_Amount']= data['Ashneer_Investment_Amount'].fillna(0)  
data['Namita_Present']= data['Namita_Present'].fillna('No')  
data['Vineeta_Present']= data['Vineeta_Present'].fillna('No')  
data['Anupam_Present']= data['Anupam_Present'].fillna('No')  
data['Aman_Present']= data['Aman_Present'].fillna('No')  
data['Peyush_Present']= data['Peyush_Present'].fillna('No')  
data['Amit_Present']= data['Amit_Present'].fillna('No')  
data['Ashneer_Present']= data['Ashneer_Present'].fillna('No')
```

```
#TREATING NULL VALUES FOR Yearly_Revenue(in_lakhs) AND Monthly_Sales(in_lakhs)

data['Yearly_Revenue(in_lakhs)']=data['Yearly_Revenue(in_lakhs)'].fillna('Not Mentioned')
data['Monthly_Sales(in_lakhs)']=data['Monthly_Sales(in_lakhs)'].fillna('Not Mentioned')
```

```
#CLEANING ANCHOR , INDUSTRY BUSINESS DESCRIPTION
data['Anchor']= data['Anchor'].str.replace('0',' ')
data['Industry']= data['Industry'].str.replace('0',' ')
data['Business_Description']=data['Business_Description'].str.replace('0',' ')
```

Again checking the null values, Now all the null values gets treated we will import the data in Mysql Workbench

```
#CHECKING FOR NULL VALUES.  
data.isnull().sum()  
  
Season_Number          0  
Startup_Name           0  
Episode_Number          0  
Pitch_Number            0  
Season_Start             0  
Season_End               0  
Anchor                   0  
Industry                  0  
Business_Description       0  
Started_in                 0  
Number_of_Presenters        0  
Male_Presenters           0  
Female_Presenters          0  
Transgender_Presenters        0  
Couple_Presenters           0
```

Couple_Presenters	0
Pitchers_Average_Age	0
Pitchers_City	0
Pitchers_State	0
Yearly_Revenue(in_lakhs)	0
Monthly_Sales(in_lakhs)	0
Original_Ask_Amount	0
Original_Offered_Equity(in_%)	0
valuation_Requested(in_lakhs)	0
Received_Offer	0
Accepted_Offer	0
...	
Aman_Present	0
Peyush_Present	0
Amit_Present	0
Ashneer_Present	0

Storing the cleaned data in new file (Sharktank.csv)

**NOW OUR DATA IS
CLEAN AND READY TO
USE**

```
data.to_csv('sharktank.csv', index=False)
```

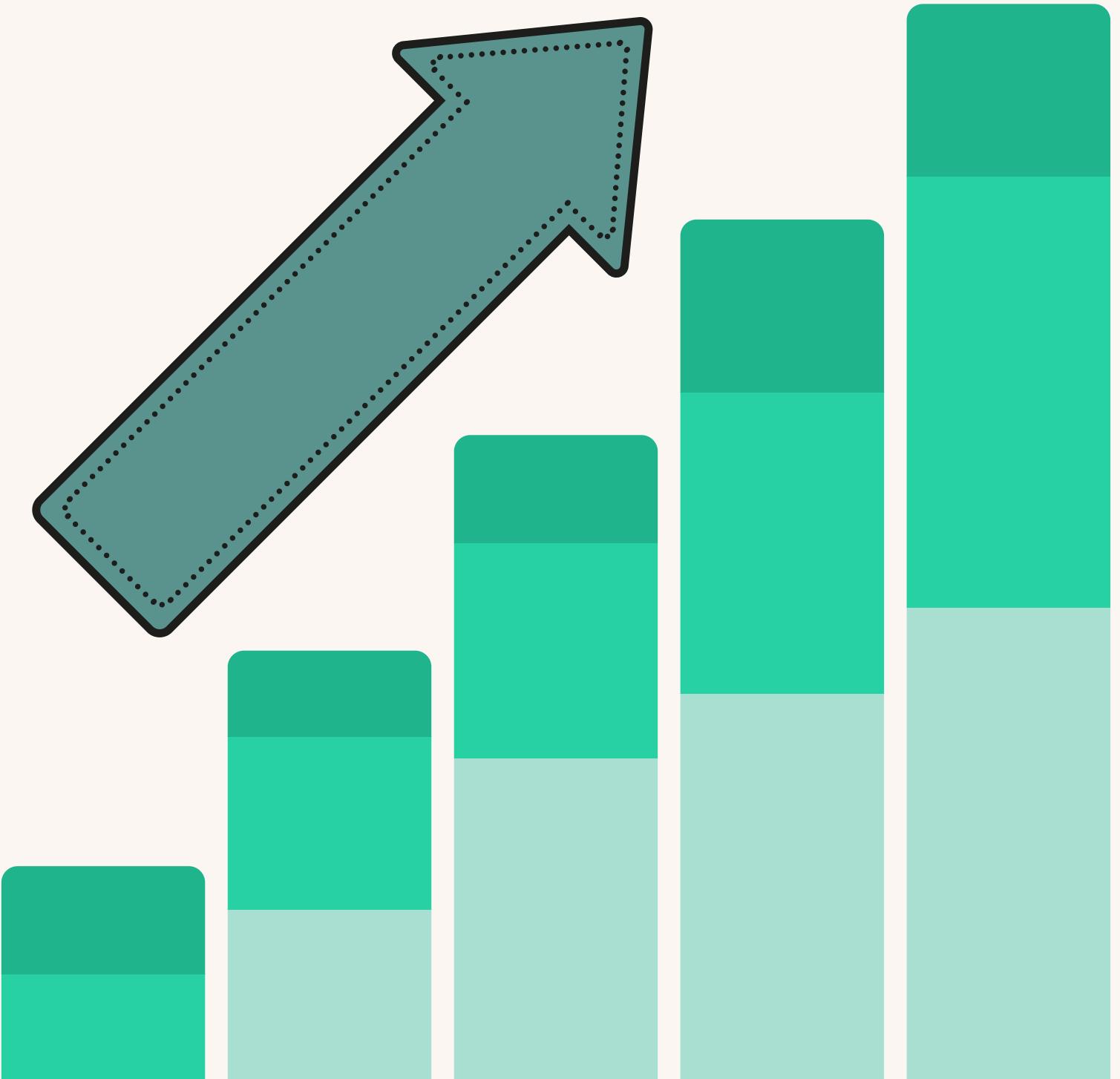
Now the Data is in Mysql

select * from sharktank;



	Season_Number	Startup_Name	Episode_Number	Pitch_Number	Season_Start	Season_End	Anchor	Industry	Business_Description
▶	1	BluePineFoods	1	1	20-12-2021	04-02-2022	Rannvijay Singh	Food	Frozen Momos
	1	BoozScooters	1	2	20-12-2021	04-02-2022	Rannvijay Singh	Vehicles/Electrical Vehicles	Renting e-bike for mobility in private
	1	HeartUpMySleeves	1	3	20-12-2021	04-02-2022	Rannvijay Singh	Beauty/Fashion	Detachable Sleeves
	1	TagzFoods	2	4	20-12-2021	04-02-2022	Rannvijay Singh	Food	Healthy Potato Chips Snacks
	1	HeadAndHeart	2	5	20-12-2021	04-02-2022	Rannvijay Singh	Education	Brain Development Course
	1	Agritourism	2	6	20-12-2021	04-02-2022	Rannvijay Singh	Agriculture	Tourism
	1	qZenseLabs	3	7	20-12-2021	04-02-2022	Rannvijay Singh	Food	Food Freshness Detector
	1	Peeschute	3	8	20-12-2021	04-02-2022	Rannvijay Singh	Beauty/Fashion	Disposable Urine Bag
	1	NOCD	3	9	20-12-2021	04-02-2022	Rannvijay Singh	Food	Energy Drink
	1	CosIQ	4	10	20-12-2021	04-02-2022	Rannvijay Singh	Beauty/Fashion	Intelligent Skincare
	1	JhaJiAchaar	4	11	20-12-2021	04-02-2022	Rannvijay Singh	Food	Pickle
	1	Bummer	4	12	20-12-2021	04-02-2022	Rannvijay Singh	Beauty/Fashion	Underwear
	1	RevampMoto	5	13	20-12-2021	04-02-2022	Rannvijay Singh	Vehicles/Electrical Vehicles	E-Bike Mitra bud-e RM
	1	HungryHead	5	14	20-12-2021	04-02-2022	Rannvijay Singh	Food	Restaurant serving 8 types of Maggi
	1	ShrawaniEngineers	5	15	20-12-2021	04-02-2022	Rannvijay Singh	Beauty/Fashion	Belly Button Shaper
	1	SkiddiIcePoops	6	16	20-12-2021	04-02-2022	Rannvijay Singh	Food	Ice-Poops

Start Exploring The Data



1. What are the most common industries for startups across all seasons?

```
select Industry, count(*) as  
Number_of_Startups from  
sharktank  
group by Industry order by  
Number_of_Startups desc;
```

	Industry	Number_of_Startups
▶	Food	82
	Beauty/Fashion	72
	Manufacturing	37
	Technology/Software	35
	Services	28
	Medical/Health	27
	Furnishing/Household	12
	Education	11
	Vehicles/Electrical Vehicles	9
	Liquor/Beverages	9
	Electronics	5
	Animal/Pets	5
	Sports	5
	Agriculture	3
	Hardware	2
	Entertainment	1
	Others	1

2. Which season had the highest total deal amount?

```
select season_number,  
sum(total_deal_amount_  
in_lakhs) as  
total_deal_amount  
from sharktank group by  
season_number  
order by  
total_deal_amount desc  
limit 1;
```

	season_number	total_deal_amount
▶	3	5515

3. What is the average valuation requested for each industry?

```
select industry,  
       avg(valuation_requested_  
             in_lakhs) as avg_valuation  
      from sharktank group by  
            industry  
      order by avg_valuation  
            desc;
```

	industry	avg_valuation
▶	Electronics	9685.8000
	Beauty/Fashion	6893.5278
	Vehicles/Electrical Vehicles	6696.3333
	Technology/Software	6449.3429
	Food	5588.9268
	Medical/Health	5044.9259
	Education	4444.0000
	Sports	4000.0000
	Others	4000.0000
	Furnishing/Household	3977.0000
	Services	3877.0714
	Manufacturing	3795.5405
	Liquor/Beverages	3318.4444
	Entertainment	1500.0000
	Agriculture	1266.6667
	Animal/Pets	1214.2000
	Hardware	985.0000

4. Who is the most frequent shark on the panel?

```
select shark, count(*) as present
from
(
    select 'Namita' as shark from sharktank where namita_present = 'Yes'
    union all
    select 'vineeta' from sharktank where vineeta_present = 'Yes'
    union all
    select 'anupam' from sharktank where anupam_present = 'Yes'
    union all
    select 'aman' from sharktank where aman_present = 'Yes'
    union all
    select 'peyush' from sharktank where peyush_present = 'Yes'
    union all
    select 'amit' from sharktank where amit_present = 'Yes'
    union all
    select 'ashneer' from sharktank where ashneer_present = 'Yes'
) as present
group by shark order by present desc;
```

	shark	present
▶	anupam	297
	aman	288
	Namita	263
	vineeta	219
	peyush	207
	ashneer	99
	amit	83

5. How many deals were accepted in each season?

```
select  
    season_number,  
    count(*) as  
        deals_accepted  
from sharktank where  
    accepted_offer = 'Yes'  
group by  
    season_number order  
by season_number;
```

	season_number	deals_accepted
▶	1	70
	2	43
	3	76

6. What is the percentage of startups led by male, female, and mixed-gender presenters?

```
select case
  when male_presenters > 0 and
    female_presenters = 0 then 'male only'
  when female_presenters > 0 and
    male_presenters = 0 then 'female only'
  else 'mixed gender'
end as presenter_type,
count(*) as startup_count,
round(count(*) * 100.0 / (select count(*)
from sharktank), 2) as percentage
from sharktank group by presenter_type;
```

	presenter_type	startup_count	percentage
▶	mixed gender	122	35.47
	male only	172	50.00
	female only	50	14.53

7. Which city has produced the most startups?

```
select pitchers_city, count(*) as  
number_of_startups  
from sharktank group by  
pitchers_city  
order by number_of_startups  
desc  
limit 1;
```

	pitchers_city	number_of_startups
▶	Mumbai	58

8. What percentage of pitches resulted in deals for each season?

```
select season_number,  
round(sum(case when  
accepted_offer = 'Yes' then 1 else 0  
end) * 100.0 / count(*), 2) as  
deal_percentage  
from sharktank group by  
season_number  
order by season_number;
```

	season_number	deal_percentage
▶	1	46.05
	2	64.18
	3	60.80

9. 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_in_lakhs desc) as
      rnk
    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
	Entertainment	0	1
	Food	200	1
	Furnishing/Household	100	1
	Hardware	25	1
	Liquor/Beverages	200	1
	Manufacturing	100	1
	Medical/Health	250	1
	Others	0	1
	Services	100	1
	Sports	80	1
	Technology/Software	200	1
	Vehicles/Electrical Ve...	100	1

10. 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
from sharktank
group by Industry having
sum(Female_Presenters)>0 and
sum(male_Presenters)>0
)t
where ((female/male)*100) >70;
```

	Industry	female	male	Ratio
▶	Beauty/Fashion	57	69	82.6087
	Education	11	15	73.3333

11 You are working at marketing firm of Shark Tank India, you have got the task to determine volume of per season 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 t.season_number , t.total ,Received_Offer , ((Received_Offer/total)*100) as  
'received_%', Accepted_Offer,  
((Accepted_Offer/total)*100) as 'Accepted_%'  
from  
(  
select season_number,count(startup_name) as'total' from sharktank  
group by season_Number  
)t  
inner join  
(  
select season_number,count(startup_name) as Received_Offer  
from sharktank  
where Received_Offer = 'Yes' group by season_Number  
)a on  
t.season_number = a.season_number  
inner join  
(  
select season_number,count(startup_name) as Accepted_Offer from sharktank where  
Accepted_Offer = 'Yes' group by season_Number  
)b on  
a.season_number = b.season_number;
```

	season_number	total	Received_Offer	received_%	Accepted_Offer	Accepted_%
▶	1	152	96	63.1579	70	46.0526
	2	67	52	77.6119	43	64.1791
	3	125	85	68.0000	76	60.8000

12 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?

```
set @season = ( select season_number from
(
select season_number ,
round(avg(Monthly_Sales_in_lakhs),2) as 'average'
from sharktank group by season_number
)a order by average desc limit 1 );

select industry ,
round(avg(monthly_sales_in_lakhs),2) as average
from sharktank where season_number = @season
group by industry order by average desc
limit 5 ;
```

	industry	average
▶	Electronics	3500
▶	Beauty/Fashion	67.8
▶	Food	34.76
▶	Furnishing/Household	32.67
▶	Medical/Health	30.55

13. As a data scientist at our firm, your role involves solving real-world challenges like identifying industries with consistent increases in funds raised over multiple seasons. This requires focusing on industries where data is available across all three years. Once these industries are pinpointed, your task is to delve into the specifics, analyzing the number of pitches made, offers received and offers converted per season within each industry.

```

with cte as (
select industry ,
sum(case when season_number = 1 then total_deal_amount_in_lakhs end) as
season_1,
sum(case when season_number = 2 then total_deal_amount_in_lakhs end) as
season_2,
sum(case when season_number = 3 then total_deal_amount_in_lakhs end) as
season_3
from sharktank group by industry
having season_3 > season_2 and season_2 > season_1 and season_1 != 0
)
select t.season_number,t.industry,count(t.startup_Name) AS Total,
count(case when t.received_offer = 'Yes' then t.startup_Name end) AS Received,
count(case when t.accepted_offer = 'Yes' then t.startup_Name end) AS
Accepted
from sharktank as t join cte as c on t.industry = c.industry
group by t.season_number, c.industry;

```

	season_number	industry	Total	Received	Accepted
▶	3	Beauty/Fashion	31	21	17
	2	Beauty/Fashion	15	14	10
	1	Beauty/Fashion	26	17	14
	3	Medical/Health	11	11	11
	2	Medical/Health	7	7	7
	1	Medical/Health	9	7	5
	3	Technology/Software	20	14	14
	2	Technology/Software	3	3	3
	1	Technology/Software	12	10	5
	3	Services	10	5	5
	2	Services	5	3	3
	1	Services	13	4	2

14. Every shark want to know in how much year their investment will be returned, so you have to create a system for them , where shark will enter the name of the startup's and the based on the total deal and quity given in how many years their principal amount will be returned.

```
delimiter //
create procedure TOT( in startup varchar(100))
begin
case
when (select Accepted_offer ='No' from sharktank where startup_name = startup)
then select 'Turn Over time cannot be calculated';
when (select Accepted_offer ='yes' and Yearly_Revenue_in_lakhs = 'Not Mentioned' from sharktank where startup_name= startup)
then select 'Previous data is not available';
else
select `startup_name`,'Yearly_Revenue_in_lakhs','Total_Deal_Amount_in_lakhs','Total_Deal_Equity_%',
`Total_Deal_Amount_in_lakhs`/((`Total_Deal_Equity_%`/100)*`Yearly_Revenue_in_lakhs`) as 'years'
from sharktank where Startup_Name= startup;

end case;
end
//
DELIMITER ;
call tot('BluePineFoods');
```

	startup_name	Yearly_Revenue_in_lakhs	Total_Deal_Amount_in_lakhs	Total_Deal_Equity_%	years
▶	BluePineFoods	95	75	16	4.934210526315789

15. 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
)a group by sharkname
```

	sharkname	average
	Namita	34.81
	Vineeta	33.07
	Anupam	29.22
	Aman	34.87
	peyush	37.23
	Amit	35.78
	Ashneer	25.67

16. Develop a system that accepts inputs for the season number and the name of a shark. The procedure will then provide detailed insights into the total investment made by that specific shark across different industries during the specified season. Additionally, it will calculate the percentage of their investment in each sector relative to the total investment in that year, giving a comprehensive understanding of the shark's investment distribution and impact.

```
delimiter //
create procedure getdetails(in season int, in sharkname varchar(100))
begin
    case
        when sharkname = 'Namita' then
            set @total = (select sum(`Namita_Investment_Amount_in_lakhs`) from sharktank where Season_Number= season );
            select Industry, sum(`Namita_Investment_Amount_in_lakhs`) as 'sum' ,(sum(`Namita_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' from sharktank where season_Number = season and
`Namita_Investment_Amount_in_lakhs` > 0
            group by industry;
        when sharkname = 'Vineeta' then
            set @total = (select sum(`Vineeta_Investment_Amount_in_lakhs`) from sharktank where Season_Number= season );
            select industry,sum(`Vineeta_Investment_Amount_in_lakhs`) as 'sum' ,(sum(`Vineeta_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent'from sharktank where season_Number = season and
`Vineeta_Investment_Amount_in_lakhs` > 0
            group by industry;
        when sharkname = 'Anupam' then
            set @total = (select sum(`Anupam_Investment_Amount_in_lakhs`) from sharktank where Season_Number= season );
            select industry,sum(`Anupam_Investment_Amount_in_lakhs`) as 'sum' ,(sum(`Anupam_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' from sharktank where season_Number = season and
`Anupam_Investment_Amount_in_lakhs` > 0
            group by Industry;
        when sharkname = 'Aman' then
            set @total = (select sum(`Aman_Investment_Amount_in_lakhs`) from sharktank where Season_Number= season );
            select industry,sum(`Aman_Investment_Amount_in_lakhs`) as 'sum',(sum(`Aman_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' from sharktank where season_Number = season and
`Aman_Investment_Amount_in_lakhs` > 0
            group by Industry;
        when sharkname = 'Peyush' then
            set @total = (select sum(`Peyush_Investment_Amount_in_lakhs`) from sharktank where Season_Number= season );
            select industry,sum(`Peyush_Investment_Amount_in_lakhs`) as 'sum' ,(sum(`Peyush_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' from sharktank where season_Number = season and
`Peyush_Investment_Amount_in_lakhs` > 0
            group by Industry;
```

```

when sharkname = 'Amit' then
set @total = (select sum(`Amit_Investment_Amount_in_lakhs`) from sharktank where Season_Number=
season );
select industry,sum(`Amit_Investment_Amount_in_lakhs`) as 'sum' ,
(sum(`Amit_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' from sharktank where
season_Number = season and `Amit_Investment_Amount_in_lakhs` > 0
group by Industry;
when sharkname = 'Ashneer' then
set @total = (select sum(`Ashneer_Investment_Amount`) from sharktank where Season_Number=
season );
select industry,sum(`Ashneer_Investment_Amount`),
(sum(`Ashneer_Investment_Amount`)/@total)*100 as 'Percent' from sharktank where season_Number =
season and `Ashneer_Investment_Amount` > 0
group by Industry;
else
select 'Invalid shark name';
end case;
end //
delimiter ;
call getdetails(2, 'Namita')

```

	Industry	sum	Percent
▶	Beauty/Fashion	93	18.3432
	Manufacturing	30	5.9172
	Medical/Health	190	37.4753
	Food	106	20.9073
	Furnishing/Household	13	2.5641
	Technology/Software	75	14.7929

17. In the realm of venture capital, we're exploring which shark possesses the most diversified investment portfolio across various industries. By examining their investment patterns and preferences, we aim to uncover any discernible trends or strategies that may shed light on their decision-making processes and investment philosophies.

```
select sharkname,
count(distinct industry) as 'unique industy',
count(distinct concat(pitchers_city, ',', pitchers_state)) as 'unique locations' from
(
SELECT Industry, Pitchers_City, Pitchers_State, 'Namita' as sharkname from sharktank where `Namita_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Vineeta' as sharkname from sharktank where `Vineeta_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Anupam' as sharkname from sharktank where `Anupam_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Aman' as sharkname from sharktank where `Aman_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Peyush' as sharkname from sharktank where `Peyush_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Amit' as sharkname from sharktank where `Amit_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Anupam' as sharkname from sharktank where `Anupam_Investment_Amount_in_lakhs` > 0
union all
SELECT Industry, Pitchers_City, Pitchers_State, 'Ashneer' as sharkname from sharktank where `Ashneer_Investment_Amount` > 0
)
group by sharkname
order by 'unique industry' desc , 'unique location' desc
```

	sharkname	unique industry	unique locations
▶	Aman	12	34
	Amit	7	16
	Anupam	12	23
	Ashneer	8	13
	Namita	10	27
	Peyush	12	26
	Vineeta	11	23

Thank
you very
much!

