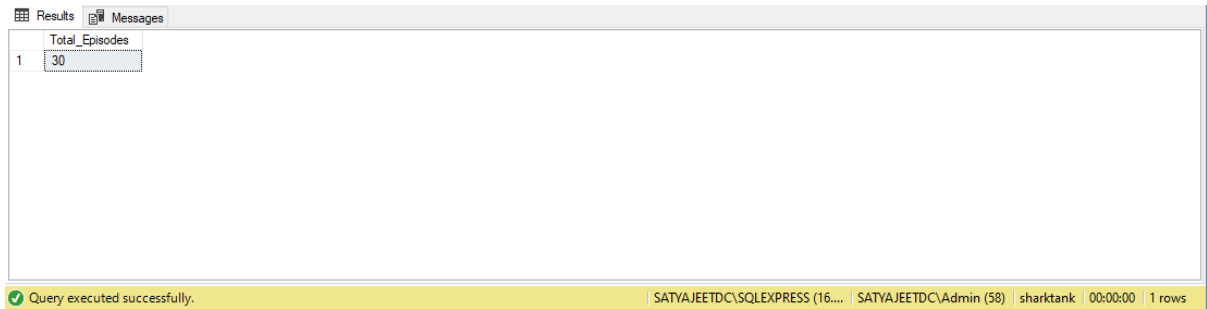# SQL PROJECT: Shark Tank Data Analysis

Total number of episodes in Shark Tank India

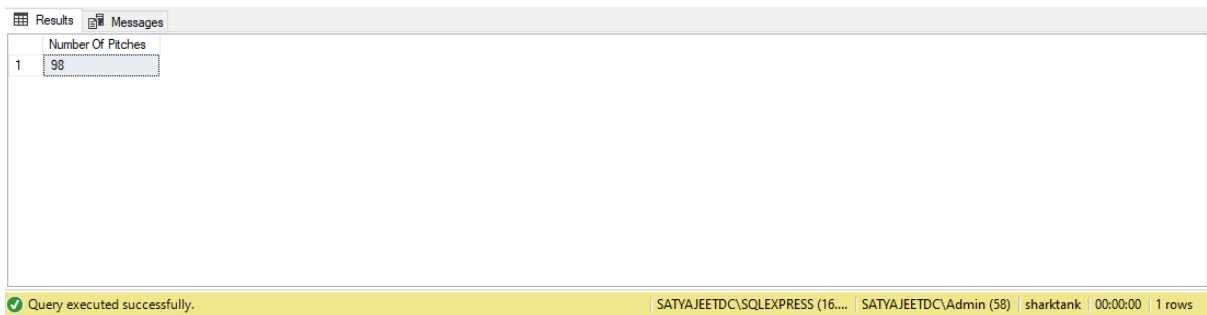SELECT COUNT(DISTINCT(EpNo)) Total_Episodes FROM sharktank..data;

Total number of pitches

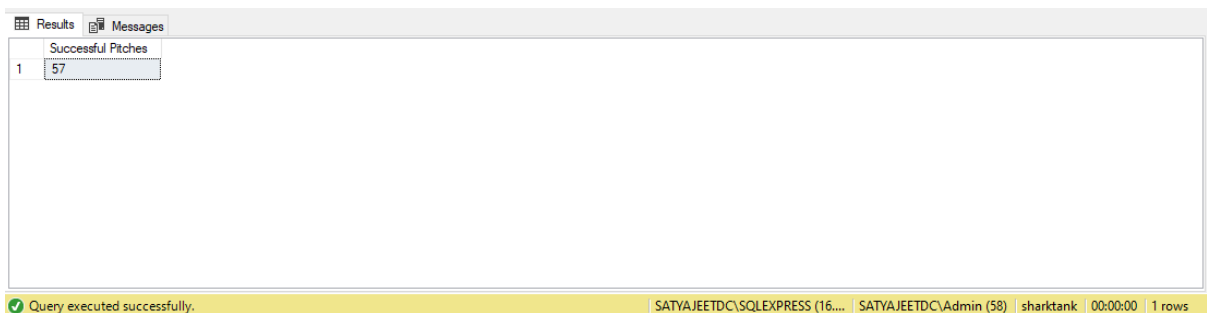SELECT COUNT(DISTINCT(Brand)) [Number Of Pitches] FROM sharktank..data;

Total number of successful pitches

SELECT COUNT(DISTINCT(Brand)) [Successful Pitches] FROM sharktank..data

WHERE AmountInvestedlakhs > 0 ;

Total male and female pitchers and the gender ratio

SELECT

SUM(Male) [Total Male Pitchers],

SUM(Female) [Total Female Pitchers],

SUM(Female)/SUM(Male) [Gender Ratio Pitchers]

FROM sharktank..data;

	Total Male Pitchers	Total Female Pitchers	Gender Ratio Pitchers
1	139	59	0.424460431654676

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 1 rows

Total invested amount

SELECT SUM(AmountInvestedlakhs) [Total Amount Invested (in lakhs)] FROM sharktank..data;

	Total Amount Invested (in lakhs)
1	3422

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 1 rows

The average equity taken by the sharks

SELECT AVG([Equity Taken %]) [Average Equity Taken]

FROM sharktank..data

WHERE [Equity Taken %] > 0;

	Average Equity Taken
1	16.580350877193

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 1 rows

Highest Investment

SELECT MAX(AmountInvestedlakhs) [Highest Investment (in lakhs)] FROM sharktank..data;

	Highest Investment (in lakhs)
1	150

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16....   SATYAJEETDC\Admin (58)   sharktank   00:00:00   1 rows

Startups having at one least woman

SELECT SUM(A.female_count) [Startups having at least one women]

FROM (SELECT female,CASE WHEN female>0 THEN 1 ELSE 0 END AS female_count
FROM sharktank..data) A;

	Startups having at least one women
1	52

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16....   SATYAJEETDC\Admin (58)   sharktank   00:00:00   1 rows

Successful number of pitches when the team had at least one woman

SELECT SUM(B.female_count) [Successful Pitches With atleast One Woman] FROM

(SELECT CASE WHEN Female>0 THEN 1 ELSE 0 END AS female_count,A.* FROM

((SELECT *FROM sharktank..data WHERE AmountInvestedlakhs > 0))A)B;

	Successful Pitches With atleast One Woman
1	29

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16....   SATYAJEETDC\Admin (58)   sharktank   00:00:00   1 rows

Average size of teams coming to pitch on Shark Tank

SELECT ROUND(AVG([Team Members]),0) [Averagre Team Size] FROM sharktank..data;

	Averagre Team Size
1	2

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 1 rows

Average amount invested per deal

SELECT AVG(AmountInvestedlakhs) [Average Amount Invested (in lakhs)]
FROM sharktank..data WHERE AmountInvestedlakhs>0;

	Average Amount Invested (in lakhs)
1	60.0350877192982

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 1 rows

Age grouping information of the contestants

SELECT [Avg Age],COUNT([Avg Age])[No Of Teams] FROM sharktank..data

WHERE [Avg Age] IS NOT NULL

GROUP BY [Avg Age]

ORDER BY COUNT([Avg Age]) DESC;

	Avg Age	No Of Teams
1	30-35	32
2	35-40	21
3	25-30	17
4	20-25	12
5	40-45	6
6	45-50	5
7	50-55	3
8	41-45	1

Query executed successfully. SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 8 rows

Location group of contestants

SELECT Location,COUNT(Location) AS Count FROM sharktank..data

WHERE Location IS NOT NULL

GROUP BY Location

ORDER BY COUNT(Location) DESC;

	Location	Count
1	Delhi	14
2	Mumbai	13
3	Pune	11
4	Bangalore	10
5	Kolkata	6
6	Ahemdabad	5
7	Hyderabad	4
8	Gujarat	3
9	Gurgaon	3
10	Jaipur	2
11	Kerela	2

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 33 rows

Sector group of contestants

SELECT Sector,COUNT(Sector) FROM sharktank..data

WHERE Sector IS NOT NULL

GROUP BY Sector

ORDER BY COUNT(Sector) DESC;

	Sector	(No column name)
1	Food	32
2	Lifestyle	29
3	Health	12
4	Technology	9
5	Automobile	6
6	Clothes	4
7	Education	1
8	Entertainment	1
9	Finance	1
10	Safety	1
11	Tourism	1

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 11 rows

Shark partner deals

SELECT Partners,COUNT(Partners) FROM sharktank..data

WHERE Partners != '-'

GROUP BY Partners ORDER BY COUNT(Partners) DESC;

	Partners	(No column name)
1	Pey	7
2	Ama-Nam	5
3	Nam	3
4	Ama	3
5	Anu-Vin	3
6	Ash	3
7	Anu	2
8	Ama-Anu	2
9	Ama-Anu-Ash-Nam-Pey	2
10	Ama-Anu-Pey	2
11	Ama-Ash	2

Query executed successfully.   SATYAJEETDC\SQLEXPRESS (16.... SATYAJEETDC\Admin (58) sharktank 00:00:00 32 rows

Making the matrix containing details of amount invested, average equity taken, total episodes appeared and total deal with respect to Ashneer.

```sql
SELECT M.keyy

        ,M.Total_Episodes_Present

        ,M.Total_Deals

        ,N.Total_Amount_Invested

        ,N.Average_Equity_Taken

FROM (

        SELECT A.keyy

                ,A.Total_Episodes_Present

                ,B.Total_Deals

        FROM (

                SELECT 'Ashneer' AS keyy

                        ,COUNT([Ashneer Amount Invested]) Total_Episodes_Present

                FROM sharktank..data

                WHERE [Ashneer Amount Invested] IS NOT NULL

                ) A

        INNER JOIN (

                SELECT 'Ashneer' AS keyy

                        ,COUNT([Ashneer Amount Invested]) Total_Deals

                FROM sharktank..data

                WHERE [Ashneer Amount Invested] IS NOT NULL

                        AND [Ashneer Amount Invested] != 0

                ) B ON A.keyy = B.keyy

        ) M

INNER JOIN (

        SELECT 'Ashneer' AS keyy

                ,SUM(C.[Ashneer Amount Invested]) Total_Amount_Invested

                ,ROUND(AVG(C.[Ashneer Equity Taken %]), 2) Average_Equity_Taken

        FROM (
```

SELECT *

FROM sharktank..data

WHERE [Ashneer Equity Taken %] != 0

      AND [Ashneer Equity Taken %] IS NOT NULL

) C

) N ON M.keyy = N.keyy;

	keyy	Total_Episodes_Present	Total_Deals	Total_Amount_Invested	Average_Equity_Taken
1	Ashneer	79	17	560.83	4.14

Query executed successfully.　　SATYAJEETDC\SQLEXPRESS (16....　SATYAJEETDC\Admin (58)　sharktank　00:00:00　1 rows

Which is the startup in which the highest amount has been invested in each sector

SELECT A.*

FROM (SELECT Brand ,Sector ,AmountInvestedlakhs, RANK()

OVER (PARTITION BY Sector ORDER BY AmountInvestedlakhs DESC) Rank

FROM sharktank..data WHERE AmountInvestedlakhs IS NOT NULL

AND AmountInvestedlakhs <> 0) A WHERE A.Rank = 1;

	Brand	Sector	AmountInvestedlakhs	Rank
1	Revamp Moto	Automobile	100	1
2	The Yarn Bazaar	Clothes	100	1
3	Kabaddi Adda	Entertainment	80	1
4	Insurance Samadhan	Finance	100	1
5	Humpy A2	Food	100	1
6	IN A CAN	Food	100	1
7	Get a Whey	Food	100	1
8	Skippi Pops	Food	100	1
9	Annie	Health	105	1
10	Hammer Lifestyle	Lifestyle	100	1
11	Raising Superstars	Lifestyle	100	1
12	Gold Safe Solutions Ind.	Safety	50	1
13	Aas Vidyalaya	Technology	150	1

Query executed successfully.　　SATYAJEETDC\SQLEXPRESS (16....　SATYAJEETDC\Admin (58)　sharktank　00:00:00　13 rows