Using Functions in Queries and writing sub Queries

Aim:-

To perform the advanced query processing and techit statistics using optional correlated and nested sub queries such as finding summary statistics.

1. To retrieve the total number of 'tie' matches in a team-wise manner

2. To retrieve the total number of matches.

3. To retrieve team details who won the matches.

4. To retrieve players and match details of players who are above 25 years old.

5. To retrieve the details to team who have not played any matches.

6. To retrieve the teamid, boardid, teamname, and playgame for a particular playerid given

★ 4.1:- To retrieve all team details. Including the count of winning matches for each team

SQL> select t. Team ID, t. Name as Team Name, t. coach, t. captain, Count (m.match ID) As winning match Count From. Team t. LEFT Join match m on t. team ID = subbu (m. result t,1,5) Group By t. team ID. t. Name, t. Coach, t. Captain.

output:-

Team ID	Team Name	Coach	Captain	winning match cout
CCB01	ABS Express	G.D RAMESH	SAMpath kumar	1
CCB02	AVG Express	T.KARTHIK	V. JOHN	0
MCB01	PANTHER	SARAVANAN	R. Sunil kumar	0
SCB01	EAGIE	SOMU	R. Sunil kumar	0
TCB01	Away BAND	TOM BABU	Su HARI	2
TCB02	TIGER ROCK	S. KAMMAN	CIVILI JOHN	0
TLEB01	KINGS	D. Anand	BEN GEOrge MATHAN	0
				6

Th0T01	ROCK	k.PAUL	k.MUTHU	0
TUCB01	THUNDER	D. ALEX	BARATHI	0
4T201	RHINBOW	S.RAjeshkum	MANIMARAN	0

* 4.2:- To retrieve the total number of 'Tie' matches
in a team-wise manner.

SQL> select t. Name AS Team Name, Count (*) AO total Tie
makes From team +join match-result mb ON t.Team
Io: mb Team 10 join match-result m ON mb.matches.
Io: m. match ID where m. result = 'Tie' Group By t. Na

team Name	Total Tie matches
Rock	1

* 4.3:- To retrieve the team details who won the matches

SQL> select * from team where team ID in (select m.
team ID from match-result m left from join team ba m.
team join team t a m.team ID= t.teamID where
m. result = 'win');

TeamID	Board JO	Name	Coach	Captain
CCB01	B1001	ABS Express	G.O. RAvesh	Sumpath kumar
TCB01	B1D02	AnGuyBARD	Tom BABU	Cinil JOHN
TH1CB01	B1D04	Rock	k. PAUL	b.Mutho.

* 4.4:- To retrieve player and match details of players who ar
above 25 years old.

SOL.> Select p.player ID, p.F name AS player Name, p.Age, m.match ID, m.match-Date m. Time 1, m. result. from player p.match, m where p.player ID in (select p'yu'D from player where age > 25).

Player ID	Player name	Age	match ID	match date	Time I	Result
1	vaj	27	M01	22-jun- 2022	13	TCB01-WIN
1	vaj	27	M02	23-jun- 2022	8·3	CCB01 - WIN
1	vaj	27	M03	24-jun-22	9·3	TCB01 -WIN
1	vaj	27	M04	25-jun- 22	8·3	TRICB01 - WIN

* 4.5:- To retrieve the details of Team who has not played any matches.

SOL> Select * from team where team ID not in (select team id from match union select played from match)

Team ID	Board ID	Name	Coach	Captain
VCB01	B1D03	RainBow	S. Rajesh kumar	MANIMARAN
MCB01	B1D05	panther	SARAVANAN	R. Sunil Kumar
TUCB01	B1D0L	Thumber	D. ALEX	BARATHI
TICB01	B1008	kings	D. ANAND	MAYHAN.

* WG! To retrieve the team ID, Board ID benumber and players name for a particular play id given

SOL> select t.teamd, t.boardid, t.name p.fname and playername for a particular playerid given..

Team ID	Board ID	Name	F Name
VCBO1	BIDO3	RAINBOW	Ganesh

Result:-

Thus the query using joins and writing subqueries has been done Successfully