

12/8/25

## TASK 4

Using Functions in Queries and writing subqueries:

(Q1) What is the total number of wins and losses?

Aim: To perform the advanced query processing and test the heuristics using designing of optimal correlated and nested sub queries such as finding summar statistics.

1. To retrieve all details, including the count of winning matches for each team.
  2. To retrieve the total number of 'Tie' matches in teams.
  3. To retrieve the 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 of team who have not played any matches.
  6. To retrieve the teamid, board id, team name, and player name for particular player id given.
- 4.1 To retrieve all team details, including count of winning matches for each team.

Output:

TeamID	TeamNAME	coach	captain	winning match count
TRICBO1	ROCK	K. Paul	K. Muthu	0
TC BO2	Avg Express	T. Karthik	V. John	0
SCBO1	Eagle	Somu	SRI HARI	0
MCBO1	Panther	SivaNaRa	R. Sunil Kumar	0
JUBO1	Thunder	D. Alex	BARATHI	0
TCBO1	AngryBAKID	Tom BAKID	CIVIL JOHN	2
VCBO1	Rainbow	S. Rajesh Kumar	Manimaran	0
TCBO2	Tiger Rock	S. KANNAN	Ben George	
CCBO1	ABS express	G. D. Ramesh	Sampath Kumar	1
TICBO1	KINGs	D. ANAND	MATHAN	0

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

SQL > select t.Team ID, AS Team Name, count (n match ID)  
AS Tiecount FROM Team t JOIN

match m ON (t.Team ID = m.Team ID 1 OR t.Team ID = m.Team ID 2)  
OR t.Team ID = m.Team ID 2) AND INSTR(m.Result, 'TIE') > 0

GROUP BY t.Team ID, t.Name;

TEAM ID	TEAM NAME	TIE COUNT
TRICB01	Rock	1
TCB02	Tiger Rock	1

4.3 To retrieves the team details who won the matches

SQL > select \* from team where team ID in (select t.team ID  
from team t left join match m on (t.Team ID = m.Team ID 1  
OR t.Team ID = m.Team ID 2) AND INSTR(m.Result, 'WIN') > 0)

TEAM ID	BOARD ID	NAME	COACH	CAPTAIN
CCB01	B1D01	ABS Express	G.P RAMESH	SAMPATH Kumar
CCB02	B1D01	Avg Express	T.Karthik	V.John
TCB01	B1D02	Angry BARP	TOM BABU	CINIL JOHN
TCB02	B1D02	Tiger Rock	MVS. KANNAN	REN GEORGE
TRICB01	B1D04	UD ROCK	D.K. Paul	K.MUTHU
VCB01	B1D03	Winter Rainbow	S.Rajeshkumar	Manimaran
MCB01	B1D05	Panther	SARAVANAN	R.Sunil Kumar
TUCB01	B1D06	Thunder	RANT D.ALEX	BARATHI
SLCB01	B1D07	Eagle	SOBUMU	SRIHARI
TUCB01	B1D08	Kings	D ANAND	MATHAN
10 rows selected				

4.4 TO retrieve players and match details of players who are above 25 years old.

SQL>select p.player ID, p.FName 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 Player ID = (select team ID from team t where t.team ID = 2)).

PLAYER PLAYER NAME AGE MATCH ID MATCH DATE TIME RESULT  
1. RAJ 27 MOI 22-JUN-22 1.3 TCB01-A

4.5 TO retrieve the details of team who have not played any matches.

SQL>Select t.team ID, t.Name AS team name, t.coach, t.captain From team t where t.team ID not IN (select Team ID 1 From match union select team ID 2 From match);

Team ID	Team Name	coach	captain
VCB01	Rainbow	S. Rajeshkumar	Mani Maran
MCB01	Panther	A. Saravanan	R. Sunilkumar
TUCB01	Thunder	D. Alex	Barathi
SCR01	EAGLE	SOMO	SRI HARI
TICB01	KINGS	D. ANIAND	MARTHAN

4.6. TO retrieve the teamid, board id, teamname, and player name for particular player id given.

SQL>select t.team ID, t.board ID, t.name, p.Fname from team t join player p ON t.team ID = p.team ID where p.player ID = '66';

Team ID	BOARD ID	Name	FName
VCB01	B1D03	RAINBOW	Cranesh

WED. TECH. (10)	
EX NO.	
PERFORMANCE (5)	13.7
REBUILT AND ANALYSIS (5)	10.5
INAVODA (5)	10.5
RECORD (5)	10.5
TOTAL (20)	40.0
SIGN WITH DATE	10/07/2022

Result: Thus, the query using Joins and writing subqueries has been done successfully.