Task 4: Using functions in queries and writing sub queries

Aim:

To Perform the advanced Processing and testile heuris-tics using designing of optimal cor related and nested sub queries such as finding summary statistics.

1. To retrieve all team details, including the count of winning matches for each team.

2. To retrieve the total number of 'Tie' matches in team wise manner.

3. To retrieve the team details who won the matches.

4. To retrieve the details, of team who have not played any matches.

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

6. To retrieve the teamid, boardid, temname and player name for Particular Playroed given.

4.1 To retrieve all team details, including the count of winning matches for each team.

SQL > select t-TeamID, t name As teamnam t-coach, t-captain, count (m. matchID) As wi - ning count from team let t-

Output:

TeamID	TeamName	coach	captain	winning match
CCB01	ABS Express	G.DRamesh	Sampath kumar	1
CCB02	AVG Express	T.karthik	Y.john	0
MCB01	Panther	Saravanan	P.sunil kumar	0
GCB01	Eagle	sonu	srihari	0
TCB01	Angry bird	Tombabu	CIVIL	2
TCB02	Tiger rock	S.kannan	Bengeorge	0
TICB01	kings	DANand	Mathan	0
FICB02				
TRICB01	ROCK	K.Paul	k.muthu	0
TRICB01	Thunder	Dalex	bharthi	0
VCB01	Rainbow	s.Rajash kumar	manima-ran	0

4.2 to retrieve the total number of `Tie' matches in a team-wise manner.

SQL>select t.Name. as teamname, count(*) As total tie matches from team t join match. result mt on t.teamID = mt.team2D join matches. result = tie group by t.name.

Teamname	Total tie matches
ROCK	1

4.3 To retrieve the team details who won matches.

SQL>select * from team where teamID<(select mr.team ID.from match_result mr left join team t on mr.teamid=t.theeamID where mr.result='win');

TeamID	BoardID	Name	Coach	Captain
CCB01	B1D01	ABS EXpress	G.D.Ramesh	sampath kumar
TCB01	B1D02	Angrybird	Tombabu	cinil john
TRICB01	B1D04	Rock	r-Paul	r-Muthu

4.4 To retrieve Players and match details of Players who are above 25 years old.

SQL>select P.playerID, P.Pname as Player name, P.age, m.matchID, m.match_Date, m.time, m.Result

PlayerID	PlayerName	Age	MatchID	MatchDate	Time	Resul
1	Raj	27	M01	22-jun-2022	1.3	TCB01
1	Raj	27	M02	22-jun-2022	8.3	CCB0
1	Raj	27	M03	24-jun-2022	8-3	TCB0
1	Raj	27	M04	25-jun-2022	8-3	TRI
1	Raj	27	M05	04-APR-2023	7-3	Ti

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

SQl → select * from team where teamID not in (select teamid from match union select playerid from match);

TeamID	BoardID	Name	coach	captain
VCB01	BID03	Rainbow	S.Rajesh kumar	mahimaran
MCB01	BID05	Panther	saravanm	P.sunil kumar
TUB01	BID06	Thunder	Dalex	Barathi
TJCB02	BID08	kings	D Anand	Mathan

4.6) To retrieve teamid, baardid, teamname, and playername for Particular t. teamid = P.teamid where, P.playerid = 66;

Teamid	BoardID	Name	FName
VCB01	BID03	Rainbow	Ganesh

Result:

Thus the query using joins and writing subqueries has been done successfully.