DATABASE MANAGEMENT SYSTEM

SPORTS MANAGEMENT

SQL QUERIES:

1.Find the college details of the team who has won the matches on date "2016/04/13".
Ans.
select college_id from ((select winner_id from (select match_no from match_schedular where match_date='2016/04/13')
as r1 natural join cricket) as r2 join teams on
r2.winner_id=teams.team_id) union
select college_id from ((select winner_id from (select match_no from match_schedular where match_date='2016/04/13')
as r3 natural join basketball) as r4 join teams on
r4.winner_id=teams.team_id) union
select college_id from ((select winner_id from (select match_no from match_schedular where match_date='2016/04/13')
as r5 natural join chess) as r6 join teams on
r6.winner_id=teams.team_id);

Output:

Output pane			
Data Output	Explain	Messages	History

	college_id bigint
1	120
2	119
3	143

2.Find ID and Name of college which have atleast two participants in the event?
Ans.
select college_id ,college_name from (select college_id,college_name,count(team_id) as no_of_teams from teams natural join college group by college_id,college_name) as r1 where no_of_teams>=2;

Output:

Output pane

	Data Output	Explain	Messages	History

	college_id bigint	college_name character varying(60)
1	120	Motilal Nehru Institute of Technology
2	119	Indian Institute of Technology,Jodhpur
3	130	National Institute of Technology,Allahabad
4	101	IIT Gandhinagar

3.Find college_id's of players who had made maximum run and maximum basket?

Ans.

select college_id,college_name from (select college_id from (select team_id from (select pid from (select max(runs) as max_runs from cric_players_points) as r1 join cric_players_points on r1.max_runs=cric_players_points.runs)
as r2 natural join players) as r3 natural join teams) as r4 natural join college
union
select college_id,college_name from (select college_id from (select team_id from (select pid from (select max(basket) as max_baskets from basketball_players_points) as r5 join basketball_players_points on r5.max_baskets=basketball_players_points.basket)
as r6 natural join players) as r7 natural join teams) as r8 natural join college;

Output:

Output pane

	Data Output	Explain	Messages	History

	college_id bigint	college_name character varying(60)
1	120	Motilal Nehru Institute of Technology
2	130	National Institute of Technology,Allahabad

4.List mentor_id,match_date and top 3 player details in chess game according to time(i.e. he has won in minimum time in all matches)?
Ans.

select mentor_id,r2.* from (select * from players as p join (select winner_id,match_date from chess_players_match order by time ASC limit 3) as r1 on p.pid=r1.winner_id) as r2 JOIN teams on r2.team_id=teams.team_id;

Output:

Output pane

	mentor_id bigint	pid bigint	fname character varying(50)	midname character varying(50)	lname character varying(50)	team_id bigint	winner_id bigint	match_date date
1	11901	20073102001	Karan	Singh	Grover	20073102	20073102001	2016-04-13
2	11901	20073102002	Mohan	Karan	Jain	20073102	20073102002	2016-04-10
3	11901	20073102005	Akshay	H	Solanki	20073102	20073102005	2016-04-13

Data Output   Explain   Messages   History

5.Find winner_id of chess players who have won the matches of the initial 3 days of the event ?
Ans.

select distinct(winner_id) from (select distinct(match_date) from match_schedular order by match_date ASC limit 3) as r1 natural join chess_players_match;

Output:

Output pane

	Data Output	Explain	Messages	History

	winner_id bigint
1	20073104002
2	20073102002
3	20073104001
4	20073102001
5	20073101004
6	20073104004
7	20073102003
8	20073101003
9	20073104003
10	20073103002
11	20073101001