

SQL Queries

1. Points Table for a specific tournament:

SQL:

```
SELECT
f.team_id,f.team_name,final.total_matches,final.matches_won,final.matches_
lost,final.points from

(select l.team_id,e.total_matches,l.matches_won,e.total_matches-
l.matches_won as matches_lost,l.matches_won*2 as points  from

(select team_id,count(team_id) as total_matches from (Select * from
tournament NATURAL JOIN MATCHES JOIN team as t on
first_team_id=t.team_id or second_team_id=t.team_id where
tournament_name='Indian Premier League') as b GROUP by
team_id,format,tournament_name) as e join
(SELECT winning_team,coalesce(matches_won,0) as
matches_won,tournament_name,format,r2.team_id from (select
winning_team,count(match_id)as matches_won,tournament_name,format from
tournament natural join matches natural join recent_matches group by
winning_team,format,tournament_name having tournament_name='Indian
Premier League') as r1 RIGHT JOIN
(SELECT DISTINCT k.team_id from (Select * from tournament NATURAL JOIN
MATCHES JOIN team as t on first_team_id=t.team_id or
second_team_id=t.team_id where tournament_name='Indian Premier League')
as r join team as k on r.team_id=k.team_id) as r2 on
winning_team=team_id) as l on e.team_id = l.team_id) as final join team
as f on final.team_id=f.team_id ORDER BY points DESC;
```

Output:

	team_id [PK] bigint	team_name character varying (30)	total_matches bigint	matches_won bigint	matches_lost bigint	points bigint
1	23	Delhi Capitals	6	3	3	6
2	28	Kolkata Knight Riders	4	2	2	4
3	27	Sunrisers Hyderabad	3	2	1	4
4	26	Punjab Kings	4	1	3	2
5	25	Rajasthan Royals	4	1	3	2
6	24	Royal Challengers Banlore	5	1	4	2
7	21	Chennai Super Kings	5	1	4	2
8	22	Mumbai Indians	5	0	5	0

2. Display scorecard for particular match:

SQL:

```
(select  
match_id,team_id,team_name,player_id,name,balls_played,runs_scored,runs_co  
nceded,overs,wickets_taken from players natural join
```

```
(select  
match_id,team_id,team_name,player_id,balls_played,runs_scored,runs_concede  
d,overs,wickets_taken from team natural join
```

```
(select * from first_team_squad_scorecard natural join
```

```
(select match_id from matches where date='2024-03-27') as r1)
```

```
as r2) as r3
```

```
union
```

```
select  
match_id,team_id,team_name,player_id,name,balls_played,runs_scored,runs_co  
nceded,overs,wickets_taken from players natural join
```

```
(select  
match_id,team_id,team_name,player_id,balls_played,runs_scored,runs_concede  
d,overs,wickets_taken from team natural join
```

```
(select * from second_team_squad_scorecard natural join
```

```
(select match_id from matches where date='2024-03-27') as r4)
```

```
as r5) as r6)
```

```
order by team_id;
```

Output:

	match_id bigint	team_id bigint	team_name character varying (30)	player_id bigint	name character varying (30)	balls_played integer	runs_scored integer	runs_conceded integer	overs numeric
1	272211	22	Mumbai Indians	1111	Mohammad Saifuddin	13	23	[null]	
2	272211	22	Mumbai Indians	1208	Tom Curran	13	10	[null]	
3	272211	22	Mumbai Indians	1309	Shreyas Iyer	15	35	[null]	
4	272211	22	Mumbai Indians	1701	Chris Gayle	9	12	25	
5	272211	22	Mumbai Indians	1906	Aiden Markram	[null]	[null]	19	
6	272211	22	Mumbai Indians	1709	Evin Lewis	10	15	35	
7	272211	22	Mumbai Indians	1103	Shakib Al Hasan	11	19	[null]	
8	272211	22	Mumbai Indians	1005	Mitchell Starc	[null]	[null]	25	
9	272211	22	Mumbai Indians	1604	Angelo Mathews	4	9	36	
10	272211	22	Mumbai Indians	1301	Virat Kohli	20	47	[null]	
11	272211	22	Mumbai Indians	1406	BJ Watling	25	35	[null]	
12	272211	27	Sunrisers Hyderabad	1307	Ravichandran Ashwin	25	70	[null]	
13	272211	27	Sunrisers Hyderabad	1404	Tim Southee	[null]	[null]	25	
14	272211	27	Sunrisers Hyderabad	1109	Soumya Sarkar	15	20	[null]	
15	272211	27	Sunrisers Hyderabad	1707	Sheldon Cottrell	[null]	[null]	25	
16	272211	27	Sunrisers Hyderabad	1610	Ramesh Mendis	5	25	[null]	
17	272211	27	Sunrisers Hyderabad	1904	Lungi Ngidi	[null]	[null]	35	
18	272211	27	Sunrisers Hyderabad	1602	Dhananjaya de Silva	5	12	[null]	
19	272211	27	Sunrisers Hyderabad	1606	Shan Masinda	25	20	[null]	

Total rows: 22 of 22 Querv complete 00:00:00.117 Ln 13. Col 1

3. Seeing which stadium has maximum scoring pitch:

SQL:

```
select stadium_name,sum(runs_scored),count(*)/11 as  
no_of_matches,sum(runs_scored)*11/count(*) as average_score from  
(select * from first_team_squad_scorecard union select * from  
second_team_squad_scorecard) as fs  
natural join  
matches where format='ODI'  
group by stadium_name  
order by sum(runs_scored)*11/count(*) desc;
```

Output:

	stadium_name character varying (30)	sum bigint	no_of_matches bigint	average_score bigint
1	Rajiv Gandhi Cricket Stadium	1504	6	250
2	Narendra Modi Stadium	1430	6	238
3	Eden Gardens	1421	6	236
4	MCA Stadium	429	2	214
5	Wankhede Stadium	801	4	200
6	MA Chidambaram Stadium	797	4	199
7	R. Premadasa Stadium	795	4	198
8	BRSABV Ekana Cricket Stadi...	387	2	193
9	Arun Jaitley Stadium	758	4	189
10	Greenfield Cricket Stadium	356	2	178
11	Shd VN Singh Cricket Stadium	327	2	163

4. Seeing bowling stats of players and determining purple cap:

SQL:

```
select * from(
select team_id,player_id,name,sum(runs_conceded) as runs,sum(overs) as
overs,coalesce(sum(wickets_taken),0) as wickets
from (select * from first_team_squad_scorecard union select * from
second_team_squad_scorecard) as fs
natural join matches natural join players
where tournament_name='Indian Premier League' and overs is not null
group by team_id,player_id,name
order by sum(wickets_taken) desc
) as x
order by wickets desc;
```

Output:

	team_id bigint	player_id bigint	name character varying (30)	runs bigint	overs numeric	wickets bigint
1	23	1105	Mehidy Hasan Miraz	118	16.0	8
2	24	1607	Niroshan Dickwella	85	12.0	7
3	21	1201	Joe Root	60	6.0	7
4	23	1606	Wanindu Hasaranga	130	16.0	6
5	21	1104	Mahmudullah Riyad	80	12.0	6
6	21	1907	David Miller	100	12.0	5
7	25	1902	Quinton de Kock	84	8.0	5
8	23	1408	Kane Williamson	19	4.0	5
9	23	1711	Shai Hope	144	16.0	5
10	28	1905	Temba Bavuma	56	8.0	4
11	21	1710	Alzarri Joseph	98	12.0	4
Total rows: 42 of 42			Query complete 00:00:00.190			

5. No. of matches won when a particular player is captain:

SQL:

```
select count(match_id) as no_of_wins,captain_id,name from recent_matches
natural join (select * from first_team_captainunionselect * from
second_team_captain) as r1 join players on captain_id=player_id where
team_id=winning_team group by captain_id,name order by no_of_wins desc;
```

Output:

	no_of_wins bigint	captain_id bigint	name character varying (30)
1	7	1302	Rohit Sharma
2	6	1401	Kane Williamson
3	3	1001	David Warner
4	3	1204	Jos Buttler
5	3	1604	Angelo Mathews
6	3	1701	Chris Gayle
7	2	1006	Pat Cummins
8	2	1206	Chris Woakes
9	2	1601	Dimuth Karunaratne
10	2	1902	Quinton de Kock
11	2	1102	Mushfiquir Rahim
Total rows: 20 of 20		Query complete 00:00:00.225	

6. Total runs scored by a team in ODI world cup:

SQL:

```
select team_id,team_name,match_id,total_runs from team natural join
(select sum(runs_scored) as total_runs,team_id,match_id from
    first_team_squad_scorecard natural join
(select * from matches where tournament_name = 'ODI World Cup') as r1
    group by team_id,match_id
union
select sum(runs_scored) as total_runs,team_id,match_id from
    second_team_squad_scorecard natural join
(select * from matches where tournament_name = 'ODI World Cup') as r2
    group by team_id,match_id
) as r3 order by total_runs desc;
```

Output:

	team_id [PK] bigint	team_name character varying (30)	match_id bigint	total_runs bigint
1	13	India	3131409	325
2	11	Bangladesh	3111615	300
3	13	India	3131607	279
4	12	England	3111204	265
5	13	India	3131914	264
6	14	New Zealand	3131409	242
7	19	South Africa	3121910	233
8	13	India	3111311	232
9	13	India	3101303	232
10	12	England	3121413	222
11	14	New Zealand	3121401	218
12	10	Australia	3101208	216
13	11	Bangladesh	3111406	215
14	10	Australia	3101905	212
15	14	New Zealand	3121413	207
16	11	Bangladesh	3111204	191
17	16	Sri Lanka	3111615	186
18	12	England	3101208	181
19	16	Sri Lanka	3131607	175

Total rows: 30 of 30

Query complete 00:00:00.515

7. Displays ipl captain name,id and team name :

SQL:

```
select player_id,name, team_name from players join (select team_name,
captain_id from team natural join
(select distinct captain_id,second_team_id as team_id from
second_team_captain natural join
(select match_id,first_team_id,second_team_id from matches where
tournament_name = 'Indian Premier League') as r1 union
select distinct captain_id,first_team_id from first_team_captain natural
join
(select match_id,first_team_id,second_team_id from matches where
tournament_name = 'Indian Premier League') as r2 ) as r3) as r4 on
(player_id = captain_id);
```

Output:

	player_id bigint	name character varying (30)	team_name character varying (30)
1	1302	Rohit Sharma	Chennai Super Kings
2	1407	Tom Latham	Chennai Super Kings
3	1301	Virat Kohli	Mumbai Indians
4	1202	Ben Stokes	Delhi Capitals
5	1303	Jasprit Bumrah	Delhi Capitals
6	1901	Faf Du Plessis	Royal Challengers Banlore
7	1402	Ross Taylor	Rajasthan Royals
8	1002	Steve Smith	Punjab Kings
9	1609	Oshada Fernando	Punjab Kings
10	1206	Chris Woakes	Sunrisers Hyderabad
11	1102	Mushfiqur Rahim	Kolkata Knight Riders
12	1307	Ravichandran Ashwin	Kolkata Knight Riders
Total rows: 12 of 12		Query complete 00:00:00.135	

8. See the runs scored by each player in a particular tournament ordered by descending order:

SQL:

```
select * from
(select player_id,coalesce(sum(runs_scored),0) as runs,tournament_name
  from (select * from first_team_squad_scorecard
        union
        select * from second_team_squad_scorecard) as fs
 natural join matches
 where tournament_name='Ashes'
 group by player_id,tournament_name
 order by sum(runs_scored) desc) as r
 order by r.runs desc;
```

Output:

	player_id bigint	runs bigint	tournament_name character varying (50)
1	1005	455	Ashes
2	1201	431	Ashes
3	1004	394	Ashes
4	1204	306	Ashes
5	1206	300	Ashes
6	1202	287	Ashes
7	1006	253	Ashes
8	1205	253	Ashes
9	1001	145	Ashes
10	1002	137	Ashes
11	1003	105	Ashes
12	1203	76	Ashes
Total rows: 22 of 22		Query complete 00:00:00.308	

9. Team Stats of top 3 teams in each format:

SQL:

```
select team_id,team_name,format,matches_played,won as matches_won,lost as
matches_lost from (select * from team NATURAL JOIN team_stats WHERE
FORMAT='T20' ORDER BY won DESC LIMIT 3) as r1
```

UNION

```
select team_id,team_name,format,matches_played,won as matches_won,lost as
matches_lost from (select * from team NATURAL JOIN team_stats WHERE
FORMAT='ODI' ORDER BY won DESC LIMIT 3) as r2
```

UNION

```
select team_id,team_name,format,matches_played,won as matches_won,lost as
matches_lost from (select * from team NATURAL JOIN team_stats WHERE
FORMAT='Test' ORDER BY won DESC LIMIT 3) as r3
```

order by Format,matches_won DESC;

Output:

	team_id bigint	team_name character varying (30)	format character varying (20)	matches_played integer	matches_won integer	matches_lost integer
1	13	India	ODI	35	27	7
2	16	Sri Lanka	ODI	31	16	15
3	19	South Africa	ODI	25	16	9
4	13	India	T20	23	15	7
5	14	New Zealand	T20	21	10	8
6	11	Bangladesh	T20	14	10	3
7	10	Australia	Test	13	6	4
8	14	New Zealand	Test	7	4	2
9	12	England	Test	8	4	3

10. Searching for players scoring more than his average score:

SQL:

```
select distinct match_id,team_id,player_id,name from players natural join
(select * from first_team_squad union select * from second_team_squad)
as r natural join player_stats where
runs_scored>(total_runs/batting_innings);
```

Output:

	match_id bigint	team_id bigint	player_id [PK] bigint	name character varying (30)
1	3101905	19	1905	Temba Bavuma
2	3131914	13	1301	Virat Kohli
3	131422	14	1412	Henry Nicholls
4	3121401	12	1204	Jos Buttler
5	121024	12	1206	Chris Woakes
6	272111	21	1702	Nicholas Pooran
7	131401	14	1410	Mitchell Santner
8	272211	27	1109	Soumya Sarkar
9	3131409	14	1405	Martin Gupthill
10	131422	13	1302	Rohit Sharma
11	252311	25	1305	Ravindra Jadeja
12	131411	14	1402	Ross Taylor
13	272211	27	1206	Chris Woakes
14	3111311	13	1304	KL Rahul
15	131403	14	1415	Lockie Ferguson
16	161703	17	1705	Roston Chase
17	121024	10	1002	Steve Smith
18	161713	17	1701	Chris Gayle
19	262411	24	1304	KL Rahul
Total rows: 449 of 449				Query complete 00:00:00.157
Ln 1, Col 160				

11. User selecting players who currently at their best rank:

SQL:

```
select player_id,name,batting_current_rank,bowling_current_rank,format
from player_stats natural join players where
(batting_current_rank=batting_best_rank and batting_current_rank is not
null) or (bowling_current_rank=bowling_best_rank and
bowling_current_rank is not null);
```

Output:

	player_id bigint	name character varying (30)	batting_current_rank integer	bowling_current_rank integer	format character varying (30)
1	1401	Kane Williamson	1	[null]	Test
2	1307	Ravichandran Ashwin	86	1	Test
3	1214	Adil Rashid	[null]	1	T20
4	1602	Dhananjaya de Silva	14	51	Test
5	1603	Kusal Mendis	20	[null]	T20
6	1608	Pathum Nissanka	8	[null]	ODI
7	1703	Jason Holder	73	21	Test
8	1710	Alzarri Joseph	[null]	31	Test
9	1710	Alzarri Joseph	[null]	16	T20
10	1007	Josh Hazlewood	[null]	2	Test
11	1012	Adam Zampa	[null]	3	ODI
12	1014	Travis Head	18	[null]	T20

12. Displays the number of matches umpired by an umpire in Indian Premier League:

SQL:

```
select count(umpire_id) as Matches_Umpired,umpire_id,name from
match_umpires natural join umpires natural join matches where
tournament_name='Indian Premier League' group by umpire_id,name;
```

Output:

	matches_umpired bigint	umpire_id bigint	name character varying (30)
1	1	1	Kumar Dharmasena
2	1	2	Marais Erasmus
3	2	3	Chris Gaffaney
4	1	4	Michael Gough
5	1	6	Richard Illingworth
6	2	7	Richard Kettleborough
7	1	8	Nitin Menon
8	1	12	Joel Wilson
9	1	13	Sharfuddoula

13. Display bowling average of all bowlers in IPL:

SQL:

```
select player_id,name, bowling_avg from players natural join (
select player_id, AVG(bowling_avg) as bowling_avg from
    first_team_squad_scorecard natural join (
select player_id,runs_conceded::float/wickets_taken as bowling_avg from
    first_team_squad_scorecard natural join (select match_id from matches
        where tournament_name = 'Indian Premier League') as r1
where wickets_taken!=0
UNION
select player_id,runs_conceded::float/wickets_taken as bowling_avg from
    second_team_squad_scorecard natural join (select match_id from matches
        where tournament_name = 'Indian Premier League') as r2
where wickets_taken!=0
) as r3 group by player_id
) as r4 order by bowling_avg desc;
```

Output:

	player_id [PK] bigint	name character varying (30)	bowling_avg double precision
1	1611	Kusal Perera	42.5
2	1008	Marnus Labuschagne	38
3	1605	Dasun Shanaka	36
4	1604	Angelo Mathews	36
5	1707	Sheldon Cottrell	35
6	1402	Ross Taylor	32
7	1608	Pathum Nissanka	31.75
8	1911	Dean Elgar	31
9	1910	Anrich Nortje	29
10	1711	Shai Hope	28.25
11	1710	Alzarri Joseph	26.5
12	1705	Roston Chase	26
13	1105	Mehidy Hasan Miraz	25.44444444444444
14	1606	Wanindu Hasaranga	25.25
15	1211	Moeen Ali	25
16	1601	Dimuth Karunaratne	25
17	1909	Rassie van der Dussen	25
18	1005	Mitchell Starc	25
19	1110	Afif Hossain	23
20	1907	David Miller	21.66666666666667
21	1607	Niroshan Dickwella	21.66666666666667
22	1310	Yuzvendra Chahal	20.33333333333333
23	1404	Tim Southee	19.75
24	1007	Josh Hazlewood	19.25
25	1709	Evin Lewis	17.5
26	1903	Kagiso Rabada	17.5
27	1704	Shimron Hetmyer	17.5
28	1902	Quinton de Kock	16.91666666666667
Total rows: 42 of 42		Query complete 00:00:00.166	

14. Balls per wicket:

SQL:

```
select cast(sum(overs*6)/nullif(sum(wickets_taken),0) as integer) as
    Balls_per_wicket,player_id,name,tournament_name,format from
(select * from first_team_squad_scorecard
union
select * from second_team_squad_scorecard) as r1
```

```
natural join players natural join matches natural join tournament group by
    player_id,name,tournament_name,format having
    cast(sum(overs*6)/nullif(sum(wickets_taken),0) as integer) is not null
order by balls_per_wicket;
```

Output:

	balls_per_wicket integer	player_id bigint	name character varying (30)	tournament_name character varying (50)	format character varying (20)
1	5	1201	Joe Root	Indian Premier League	T20
2	5	1408	Kane Williamson	Indian Premier League	T20
3	6	1711	Shai Hope	West Indies tour of Sri Lanka	ODI
4	6	1309	Shreyas Iyer	Paytm New Zealand tour of India, 2023	T20
5	10	1415	Lockie Ferguson	Paytm New Zealand tour of India, 2023	T20
6	10	1610	Ramesh Mendis	West Indies tour of Sri Lanka	ODI
7	10	1607	Niroshan Dickwella	Indian Premier League	T20
8	10	1609	Oshada Fernando	West Indies tour of Sri Lanka	ODI
9	10	1902	Quinton de Kock	Indian Premier League	T20
10	12	1009	Alex Carey	Indian Premier League	T20
11	12	1405	Martin Gupthill	Indian Premier League	T20
12	12	1709	Evin Lewis	Indian Premier League	T20
13	12	1425	Jimmy Neesham	Paytm New Zealand tour of India, 2023	T20
14	12	1104	Mahmudullah Riyad	Indian Premier League	T20
15	12	1905	Temba Bavuma	Indian Premier League	T20
16	12	1410	Mitchell Santner	Paytm New Zealand tour of India, 2023	T20
17	12	1003	Aaron Finch	Indian Premier League	T20
18	12	1904	Lungi Ngidi	Indian Premier League	T20
19	12	1709	Evin Lewis	West Indies tour of Sri Lanka	ODI
20	12	1105	Mehidy Hasan Miraz	Indian Premier League	T20
21	12	1903	Kagiso Rabada	Indian Premier League	T20
22	12	1906	Aiden Markram	Indian Premier League	T20
Total rows: 167 of 167		Query complete 00:00:00.099			

15. Calculating batting scorecard:

SQL:

```
SELECT Name,Runs_scored,Balls_played,cast((cast(runs_scored as
numeric(5,2))/balls_played)*100 as numeric(5,2)) as strike_rate from
players
```

```
NATURAL JOIN first_team_squad_scorecard
```

```
where match_id=212411 and team_id=21 and balls_played is NOT NULL;
```

Output:

	name character varying (30) 🔒	runs_scored integer 🔒	balls_played integer 🔒	strike_rate numeric (5,2) 🔒
1	David Miller	20	5	400.00
2	Tom Latham	56	26	215.38
3	Rohit Sharma	39	20	195.00
4	Yuzvendra Chahal	15	10	150.00
5	Mahmudullah Riyad	2	5	40.00
6	Joe Root	12	16	75.00
7	Sam Curran	10	10	100.00
8	Dasun Shanaka	39	10	390.00
9	Nicholas Pooran	15	13	115.38
10	Alzarri Joseph	32	16	200.00
11	Pat Cummins	18	9	200.00
Total rows: 11 of 11		Query complete 00:00:00.190		

16. Teams who won the match in world cup despite scoring less than 201 runs:

SQL:

```
select * from
(select match_id,team_id,sum(runs_scored) as runs from matches
natural join recent_matches
natural join(select * from first_team_squad_scorecard union select * from
second_team_squad_scorecard) as fs
where tournament_name='ODI World Cup'
group by match_id,team_id
intersect
select match_id,winning_team,sum(runs_scored) as runs from recent_matches
natural join matches
natural join(select * from first_team_squad_scorecard union select * from
second_team_squad_scorecard) as fs
where tournament_name='ODI World Cup'
group by match_id,team_id) as r1
where runs<201
order by runs
```

Output:

	match_id bigint	team_id bigint	runs bigint
1	3161902	19	164
2	3101612	16	174
3	3131607	16	175

17. See which players less than 28 years of age are doing well in tournament:

SQL:

```
select player_id,team_id,name,dob,sum(runs_scored) as
      runs,sum(wickets_taken) as wickets from players
natural join(select * from first_team_squad_scorecard union select * from
      second_team_squad_scorecard) as fs
natural join matches
where tournament_name='Indian Premier League' and dob>'1995-12-31'
group by player_id,team_id,name,dob
having sum(runs_scored)>50 or sum(wickets_taken)>3
order by dob desc
```

Output:

	player_id [PK] bigint	team_id bigint	name character varying (30)	dob date	runs bigint	wickets bigint
1	1706	26	Oshane Thomas	1997-02-18	64	[null]
2	1704	24	Shimron Hetmyer	1996-12-26	[null]	4
3	1710	21	Alzarri Joseph	1996-11-20	38	4
4	1904	27	Lungi Ngidi	1996-03-29	[null]	4

18. Displays performance of Left-handed vs Right-handed batsmen in every format:

SQL:

```
select cast(sum(runs_scored)::float/nullif(count(match_id),0)as
decimal(5,2)) as
Batting_average,cast(100*sum(runs_scored)::float/nullif(sum(balls_playe
d),0)as decimal(5,2)) as Strike_rate,batting_style,format from
(select * from first_team_squad_scorecard
union
select * from second_team_squad_scorecard) as r1
```

natural join players natural join matches natural join tournament where
balls_played is not null group by batting_style,format having
sum(runs_scored)/nullif(sum(balls_played),0) is not null order by
format;

Output:

	batting_average numeric (5,2) 🔒	strike_rate numeric (5,2) 🔒	batting_style character varying (30) 🔒	format character varying (20) 🔒
1	24.26	110.13	Left-handed	ODI
2	28.76	115.71	Right-handed	ODI
3	23.27	143.54	Left-handed	T20
4	27.74	142.58	Right-handed	T20
5	45.77	52.12	Right-handed	Test
6	43.91	51.13	Left-handed	Test

19. List of upcoming matches of Mumbai Indians with their booking options:

SQL:

```
select * from (select r3.match_id,r3.team_name,t.team_name as
Opponent_name,r3.stadium_name,r3.stadium_location,r3.date from
(select * from (select * from (select match_id from matches EXCEPT(select
match_id from matches natural join recent_matches)) as r1 natural join
matches) as r2
join team on first_team_id=team_id or second_team_id=team_id where
team_name='Mumbai Indians') as r3
join team as t on r3.first_team_id=t.team_id or
r3.second_team_id=t.team_id natural join stadium where
t.team_name!='Mumbai Indians') as r4
natural join bookings;
```

Output:

	match_id bigint	team_name character varying (30)	opponent_name character varying (30)	stadium_name character varying (30)	stadium_location character varying (30)	date date	stands character varying (30)	available_seats integer	price numeric (7,2)	booking_site_link character varying (128)
1	212211	Mumbai Indians	Chennai Super Kings	Brabourne Stadium	Mumbai	2024-04-14	Sachin Stand	1000	2000.00	Bookmyticket.com
2	212211	Mumbai Indians	Chennai Super Kings	Brabourne Stadium	Mumbai	2024-04-14	Gavaskar Stand	500	3500.00	Bookmyticket.com
3	212211	Mumbai Indians	Chennai Super Kings	Brabourne Stadium	Mumbai	2024-04-14	Ponting Stand	700	5000.00	Bookmyticket.com
4	212211	Mumbai Indians	Chennai Super Kings	Brabourne Stadium	Mumbai	2024-04-14	Malinga Stand	300	7000.00	Bookmyticket.com
5	222611	Mumbai Indians	Punjab Kings	Wankhede Stadium	Mumbai	2024-04-16	Bravo Stand	3000	200.00	Booking.com
6	222611	Mumbai Indians	Punjab Kings	Wankhede Stadium	Mumbai	2024-04-16	Rhodes Stand	5000	800.00	Booking.com
7	222611	Mumbai Indians	Punjab Kings	Wankhede Stadium	Mumbai	2024-04-16	Rickards Stand	1500	1200.00	Booking.com
8	222611	Mumbai Indians	Punjab Kings	Wankhede Stadium	Mumbai	2024-04-16	Akram Stand	8000	2000.00	Booking.com

20. To find player of the matches in all matches of ODI World Cup:

SQL:

```
select match_id,name as Player_Of_The_Match from ((select
match_id,max(runs+15*wickets) as points from (select * from
(select match_id,team_id,player_id,coalesce(runs_scored,0) as
runs,coalesce(wickets_taken,0) as wickets from
(select * from first_team_squad_scorecard union select * from
second_team_squad_scorecard) as r1
natural join recent_matches natural join matches
where tournament_name = 'ODI World Cup')as r2 group by
match_id,team_id,player_id,runs,wickets) as r3 group by match_id) as r4

join

(select * from(select match_id as
match,team_id,player_id,coalesce(runs_scored,0) as
runs,coalesce(wickets_taken,0) as wickets from
(select * from first_team_squad_scorecard union select * from
second_team_squad_scorecard) as r5
natural join recent_matches natural join matches
where tournament_name = 'ODI World Cup')as r6 group by
match,team_id,player_id,runs,wickets) as r7 on r4.match_id=r7.match and
r4.points=r7.runs+15*r7.wickets) as r8 natural join players;
```

Output:

	match_id bigint 🔒	player_of_the_match character varying (30) 🔒
1	3101208	Steve Smith
2	3101303	Virat Kohli
3	3101612	Oshada Fernando
4	3101905	Steve Smith
5	3111204	Jos Buttler
6	3111311	Shikhar Dhawan
7	3111406	Mushfiqur Rahim
8	3111615	Liton Das
9	3121401	Martin Guptill
10	3121413	Ben Stokes
11	3121910	Faf Du Plessis
12	3131409	Ravichandran Ashwin
13	3131607	Rohit Sharma
14	3131914	KL Rahul
15	3161902	Temba Bavuma

Total rows: 15 of 15

Query complete 00: