

--Queries

--1)View Tournament Details

```
SELECT Tournament_Name, Format, Host, Prize_Money
FROM Tournament;
```

--2) Select Tournament by Format

```
SELECT Tournament_Name, Host, Prize_Money
FROM Tournament
WHERE Format = 'T20';
```

--3)View Teams Participating in a Tournament – Get details of teams registered in a particular tournament.

```
SELECT Team.Team_Name
FROM Team
JOIN Tournament ON Team.Tournament_ID = Tournament.Tournament_ID
WHERE Tournament.Tournament_ID = 1;
```

--4)Fetch Player Statistics from a Tournament – Retrieve player performance data such as runs,

--wickets, strike rate, and economy rate for a specific tournament.

```
SELECT Players.Player_Name, SUM(Batting_Scoreboard.Runs) AS Total_Runs,
SUM(Bowling_Scoreboard.Wickets) AS Total_Wickets
FROM Players
LEFT JOIN Batting_Scoreboard ON Players.Player_ID = Batting_Scoreboard.Player_ID
LEFT JOIN Bowling_Scoreboard ON Players.Player_ID = Bowling_Scoreboard.Player_ID
WHERE Players.Team_ID IN (SELECT Team_ID FROM Team WHERE Tournament_ID = 1)
GROUP BY Players.Player_Name;
```

--5)Search Tournaments by Location

```
SELECT Tournament_Name, Host
FROM Tournament
WHERE Host LIKE 'Australia';
```

--6)View Match Schedule of a Tournament

```
SELECT Match_ID, Date, Venue, Team1_ID, Team2_ID
FROM Match
WHERE Tournament_ID = 1;
```

--7) Check Match Results and Scores

```
SELECT Match_ID, Team1_ID, Team2_ID, Result
FROM Match
WHERE Result IS NOT NULL; -- Completed matches
```

--8)Find Tournament Winners and Runners-Up

```
SELECT Tournament_Name, Winner, Runner_Up
FROM Tournament
```

WHERE Tournament_ID = 1;

--9)Find Squad of the Team in a Tournament

SELECT Players.Player_Name

FROM Players

WHERE Team_ID IN (SELECT Team_ID FROM Team WHERE Tournament_ID = 1);

--10) Top run scorers

SELECT p.Player_Name, SUM(b.Runs) AS Total_Runs

FROM Batting_Scoreboard b

JOIN Players p ON b.Player_ID = p.Player_ID

GROUP BY p.Player_Name

ORDER BY Total_Runs DESC

LIMIT 10;

--11)Top wicket takers

SELECT p.Player_Name, SUM(b.Wickets) AS Total_Wickets

FROM Bowling_Scoreboard b

JOIN Players p ON b.Player_ID = p.Player_ID

GROUP BY p.Player_Name

ORDER BY Total_Wickets DESC

LIMIT 10;

--12)View match results with man of the match

SELECT Match_ID, Result, Date, Man_of_the_Match, Venue, City, Stadium

FROM Match

ORDER BY Date DESC;

--For Admins

--1)Add New Tournament

INSERT INTO Tournament (Tournament_ID, Tournament_Name, Format, Prize_Money,
Host, Organizer_ID)

VALUES (2, 'T20 World Cup 2026', 'T20', 120000000, 'Australia', 1);

--2) Update Tournament Details

UPDATE Tournament

SET Prize_Money = 150000000, Host = 'India'

WHERE Tournament_ID = 1;

--3) Add or Update Team Participation

INSERT INTO Team (Team_ID, Team_Name, Homeground, Tournament_ID)

VALUES (9, 'West Indies', NULL, 1)

ON CONFLICT (Team_ID)

DO UPDATE SET Team_Name = 'West Indies';

--4)Manage Player Statistics

```
UPDATE Batting_Scoreboard
SET Runs = 50, Balls_Faced = 40
WHERE Match_ID = 1 AND Player_ID = 1;
```

--5)List of All Matches in a Tournament

```
SELECT Match_ID, Date, Team1_ID, Team2_ID, Result, Man_of_the_Match
FROM Match
WHERE Tournament_ID = 1
ORDER BY Date;
```

--7)Tournament Standings: Matches Played Per Team

```
SELECT t.Team_Name, COUNT(m.Match_ID) AS Matches_Played
FROM Team t
JOIN Match m ON t.Team_ID IN (m.Team1_ID, m.Team2_ID)
WHERE t.Tournament_ID = 1
GROUP BY t.Team_Name
ORDER BY Matches_Played DESC;
```

--8)Full Player Performance Summary (Bat + Bowl)

```
SELECT
  p.Player_Name,
  COALESCE(SUM(bat.Runs), 0) AS Total_Runs,
  COALESCE(SUM(bowl.Wickets), 0) AS Total_Wickets
FROM Players p
LEFT JOIN Batting_Scoreboard bat ON p.Player_ID = bat.Player_ID
LEFT JOIN Bowling_Scoreboard bowl ON p.Player_ID = bowl.Player_ID
GROUP BY p.Player_Name
ORDER BY Total_Runs DESC, Total_Wickets DESC;
```

```

1101 --1)View Tournament Details
1102 SELECT Tournament_Name, Format, Host, Prize_Money
1103 FROM Tournament;
1104

```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1

	tournament_name character varying (50)	format character varying (30)	host character varying (40)	prize_money integer
1	T20 World Cup 2026	T20	Australia	120000000
2	t20 world cup 2024	T20	India	150000000

```

2
3 --2) Select Tournament by Format
4 SELECT Tournament_Name, Host, Prize_Money
5 FROM tournament
6 WHERE Format = 'T20';
7

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 2 Page No: 1 of 1

	tournament_name character varying (50)	host character varying (40)	prize_money integer
1	T20 World Cup 2026	Australia	120000000
2	t20 world cup 2024	India	150000000

Total rows: 2 Query complete 00:00:00.168 CRLF Ln 7, Col 1

```

2 --3)View Teams Participating in a Tournament - Get details of teams registered in a particular tournament.
3 SELECT Team_Name
4 FROM Team
5 JOIN Tournament ON Team.Tournament_ID = Tournament.Tournament_ID
6 WHERE Tournament.Tournament_ID = 1;
7

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 9 Page No: 1 of 1

	team_name character varying (30)
1	India
2	Australia
3	New Zealand
4	Pakistan
5	South Africa
6	Bangladesh
7	England
8	Afghanistan
9	West Indies

Total rows: 9 Query complete 00:00:00.208 CRLF Ln 2, Col 1

```

8  --4)Fetch Player Statistics from a Tournament - Retrieve player performance data such as runs,
9  --wickets, strike rate, and economy rate for a specific tournament.
10 ✓ SELECT Players.Player_Name, SUM(Batting_Scoreboard.Runs) AS Total_Runs,
11      SUM(Bowling_Scoreboard.Wickets) AS Total_Wickets
12 FROM Players
13 LEFT JOIN Batting_Scoreboard ON Players.Player_ID = Batting_Scoreboard.Player_ID
14 LEFT JOIN Bowling_Scoreboard ON Players.Player_ID = Bowling_Scoreboard.Player_ID
15 WHERE Players.Team_ID IN (SELECT Team_ID FROM Team WHERE Tournament_ID = 1)
16 GROUP BY Players.Player_Name;

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 120 Page No: 1 of 1

	player_name character varying (50)	total_runs bigint	total_wickets bigint
1	Abbas Afridi	[null]	1
2	Abrar Ahmed	[null]	[null]
3	Adam Zampa	[null]	[null]
4	Adil Rashid	[null]	6
5	Aiden Markram	245	[null]
6	Anrich Nortje	[null]	5
7	Arshdeep Singh	[null]	[null]
8	Ashton Agar	30	[null]
9	Axar Patel	8	8

✓ Successfully run. Total query runtime: 247 msec. 120 rows affected. X

Total rows: 120 Query complete 00:00:00.247 CRLF Ln 16, Col 31

```

18 --5)Search Tournaments by Location
19 ✓ SELECT Tournament_Name, Host
20 FROM Tournament
21 WHERE Host LIKE 'Australia';
22

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 1 Page No: 1 of 1

	tournament_name character varying (50)	host character varying (40)
1	T20 World Cup 2026	Australia

```

29 --7) Check Match Results and Scores
30 ✓ SELECT Match_ID, Team1_ID, Team2_ID, Result
31 FROM Match
32 WHERE Result IS NOT NULL;

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 15 Page No: 1 of 1

	match_id [PK] integer	team1_id integer	team2_id integer	result character varying (50)
1	1	1	8	India won by 8 wickets
2	2	1	2	India won by 20 runs
3	3	1	6	India won by 30 runs
4	4	8	2	Australia won by 15 runs
5	5	8	6	Afghanistan won by 15 runs
6	6	2	6	Australia won by 20 runs
7	7	4	5	Pakistan won by 30 runs

Total rows: 15 Query complete 00:00:00.178 CRLF Ln 33, Col 1

```

24 --6)View Match Schedule of a Tournament
25 SELECT Match_ID, Date, Venue, Team1_ID, Team2_ID
26 FROM Match
27 WHERE Tournament_ID = 1;

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 15 Page No: 1 of 1

	match_id [PK] integer	date date	venue character varying (50)	team1_id integer	team2_id integer
1	1	2024-10-01	Eden Gardens	1	8
2	2	2024-06-05	New York	1	2
3	3	2024-06-06	Dhaka	1	6
4	4	2024-06-07	Abu Dhabi	8	2
5	5	2024-06-07	Abu Dhabi	8	6
6	6	2024-06-08	Abu Dhabi	2	6
7	7	2024-06-09	Abu Dhabi	4	5
8	8	2024-06-11	Abu Dhabi	4	7
9	9	2024-06-12	Abu Dhabi	4	3
10	10	2024-06-13	Cape Town	5	7
11	11	2024-06-14	Cape Town	5	3

Total rows: 15 Query complete 00:00:00.197 CRLF Ln 28, Col 1

```

35 --8)Find Tournament Winners and Runners-Up
36 SELECT Tournament_Name, Winner, Runner_Up
37 FROM Tournament
38 WHERE Tournament_ID = 1;

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 1 Page No: 1 of 1

	tournament_name character varying (50)	winner character varying (40)	runner_up character varying (40)
1	t20 world cup 2024	[null]	[null]

✓ Successfully run. Total query runtime: 198 msec. 1 rows affected. ✕

Total rows: 1 Query complete 00:00:00.198 CRLF Ln 35, Col 1

```

41 --9)Find Squad of the Team in a Tournament
42 SELECT Players.Player_Name
43 FROM Players
44 WHERE Team_ID IN (SELECT Team_ID FROM Team WHERE Tournament_ID = 1);
45

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 120 Page No: 1 of 1

	player_name character varying (50)
1	Rohit Sharma
2	Hardik Pandya
3	Virat Kohli
4	Suryakumar Yadav
5	Yashasvi Jaiswal
6	Rishabh Pant
7	Sanju Samson

✓ Successfully run. Total query runtime: 189 msec. 120 rows affected

Total rows: 120 Query complete 00:00:00.189 CRLF Ln 45, Col 1

```

1178
1179 UPDATE Tournament
1180 SET Prize_Money = 150000000
1181 WHERE Tournament_ID = 1;
1182

```

Data Output Messages Notifications Scratch Pad X

UPDATE 1

Query returned successfully in 96 msec.

```

1154 --10) Top run scorers
1155 SELECT p.Player_Name, SUM(b.Runs) AS Total_Runs
1156 FROM Batting_Scoreboard b
1157 JOIN Players p ON b.Player_ID = p.Player_ID
1158 GROUP BY p.Player_Name
1159 ORDER BY Total_Runs DESC
1160 LIMIT 10;
1161

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 10 Page No: 1 of 1

	player_name character varying (50)	total_runs bigint
1	Rohit Sharma	252
2	Aiden Markram	245
3	Kane Williamson	223
4	Hardik Pandya	166
5	Babar Azam	163
6	Suryakumar Yadav	139
7	Quinton de Kock	131
8	Virat Kohli	128
9	Harry Brook	117

Total rows: 10 Query complete 00:00:00.189

CRLF Ln 1161, Col 1

Query Query History

```

1162
1163 --11) Top wicket takers
1164 SELECT p.Player_Name, SUM(b.Wickets) AS Total_Wickets
1165 FROM Bowling_Scoreboard b
1166 JOIN Players p ON b.Player_ID = p.Player_ID
1167 GROUP BY p.Player_Name
1168 ORDER BY Total_Wickets DESC
1169 LIMIT 10;
1170

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 10 Page No: 1 of 1

	player_name character varying (50)	total_wickets bigint
1	Keshav Maharaj	10
2	Karim Janat	10
3	Lockie Ferguson	8
4	Ravindra Jadeja	8
5	Axar Patel	8
6	Nangyal Kharoti	7
7	Josh Hazlewood	6
8	Adil Rashid	6
9	Ishak Ali	6

Total rows: 10 Query complete 00:00:00.205

CRLF Ln 1163, Col 1

✓ Successfully run. Total query runtime: 205 msec. 10 rows affected. ✕

```
1171 --12)View match results with man of the match
1172 SELECT Match_ID, Result, Date, Man_of_the_Match, Venue, City, Stadium
1173 FROM Match
1174 ORDER BY Date DESC;
```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 15 Page No: 1 of 1

	match_id [PK] integer	result character varying (50)	date date	man_of_the_match character varying (50)	venue character varying (50)	city character varying (50)	stadium character varying (50)
1	1	India won by 8 wickets	2024-10-01	Virat Kohli	Eden Gardens	Kolkata	Eden Gardens
2	15	India won by 8 wickets	2024-06-22	Rohit Sharma	Cape Town	Cape Town City	Newlands Cricket Ground
3	14	South Africa won by 32 runs	2024-06-19	Aiden Markram	Cape Town	Cape Town City	Newlands Cricket Ground
4	13	India won by 45 runs	2024-06-18	Rohit Sharma	Mumbai	Mumbai City	Wankhede Stadium
5	12	England won by 12 runs	2024-06-15	Adil Rashid	London	London City	Lord Cricket Ground
6	11	South Africa won by 20 runs	2024-06-14	Keshav Maharaj	Cape Town	Cape Town City	Newlands Cricket Ground
7	10	England won by 9 wickets	2024-06-13	Adil Rashid	Cape Town	Cape Town City	Newlands Cricket Ground
8	9	Pakistan won by 15 runs	2024-06-12	Babar Azam	Abu Dhabi		

✓ Successfully run. Total query runtime: 314 msec. 15 rows affected. ✕

Total rows: 15 Query complete 00:00:00.314 CRLF Ln 1171, Col 1

```
1204 --5)List of All Matches in a Tournament
1205 SELECT Match_ID, Date, Team1_ID, Team2_ID, Result, Man_of_the_Match
1206 FROM Match
1207 WHERE Tournament_ID = 1
1208 ORDER BY Date;
1209
```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 15 Page No: 1 of 1

	match_id [PK] integer	date date	team1_id integer	team2_id integer	result character varying (50)	man_of_the_match character varying (50)
1	2	2024-06-05	1	2	India won by 20 runs	Rohit Sharma
2	3	2024-06-06	1	6	India won by 30 runs	Rohit Sharma
3	4	2024-06-07	8	2	Australia won by 15 runs	Mitchell Marsh
4	5	2024-06-07	8	6	Afghanistan won by 15 runs	Rashid Khan
5	6	2024-06-08	2	6	Australia won by 20 runs	Mitchell Marsh
6	7	2024-06-09	4	5	Pakistan won by 30 runs	Imad Wasim
7	8	2024-06-11	4	7	England won by 12 runs	Adil Rashid
8	9	2024-06-12	4	3	Pakistan won by 15 runs	Babar Azam
9	10	2024-06-12	5	7	England won by 9 wickets	Adil Rashid

Total rows: 15 Query complete 00:00:00.436 CRLF Ln 1209, Col 1


```

1206 --7)Tournament Standings: Matches Played Per Team
1207 SELECT t.Team_Name, COUNT(m.Match_ID) AS Matches_Played
1208 FROM Team t
1209 JOIN Match m ON t.Team_ID IN (m.Team1_ID, m.Team2_ID)
1210 WHERE t.Tournament_ID = 1
1211 GROUP BY t.Team_Name
1212 ORDER BY Matches_Played DESC;
1213

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 8 Page No: 1 of 1

	team_name character varying (30)	matches_played bigint
1	South Africa	5
2	India	5
3	Afghanistan	4
4	New Zealand	4
5	Bangladesh	3
6	England	3
7	Pakistan	3
8	Australia	3

✓ Successfully run. Total query runtime: 183 msec. 8 rows affected. ✕

Total rows: 8 Query complete 00:00:00.183 CRLF Ln 1213, Col 1

```

1214 --8)Full Player Performance Summary (Bat + Bowl)
1215 SELECT
1216     p.Player_Name,
1217     COALESCE(SUM(bat.Runs), 0) AS Total_Runs,
1218     COALESCE(SUM(bowl.Wickets), 0) AS Total_Wickets
1219 FROM Players p
1220 LEFT JOIN Batting_Scoreboard bat ON p.Player_ID = bat.Player_ID
1221 LEFT JOIN Bowling_Scoreboard bowl ON p.Player_ID = bowl.Player_ID
1222 GROUP BY p.Player_Name
1223 ORDER BY Total_Runs DESC, Total_Wickets DESC;
1224

```

Data Output Messages Notifications Scratch Pad X

Showing rows: 1 to 120 Page No: 1 of 1

	player_name character varying (50)	total_runs bigint	total_wickets bigint
1	Rohit Sharma	252	0
2	Aiden Markram	245	0
3	Kane Williamson	223	0
4	Hardik Pandya	166	0
5	Babar Azam	163	0
6	Suryakumar Yadav	139	0
7	Quinton de Kock	131	0

Total rows: 120 Query complete 00:00:00.174 CRLF Ln 1223, Col 46