

SELECT * FROM teams

Data Output Explain Messages Notifications			
	id [PK] integer	name character varying (50)	coach character varying (50)
1	1	Chennai Super Kings	Stephen Fleming
2	2	Delhi Capitals	Ricky Ponting
3	3	Kings XI Punjab	Anil Kumble
4	4	Kolkata Knight Riders	Brendon McCullum
5	5	Mumbai Indians	Mahela Jayawardene
6	6	Rajasthan Royals	Andrew McDonald
7	7	Royal Challengers Bangalore	Simon Katich
8	8	Sunrisers Hyderabad	Trevor Bayliss

SELECT * FROM venues

Data Output Explain Messages Notifications			
	id [PK] integer	name character varying (50)	city character varying (50)
1	1	Dubai International Stadium	Dubai
2	2	Sharjah Cricket Stadium	Sharjah
3	3	Sheikh Zayed Stadium	Abu Dhabi

SELECT * FROM pott

Data Output					Explain	Messages	Notifications
	id [PK] integer		player_id integer		team_id integer		
1		1		2608		6	

SELECT * FROM wickets

Data Output					Explain	Messages	Notifications
	id [PK] integer		dismissal character varying (25)				
1		1	Bowled				
2		2	Caught				
3		3	LBW				
4		4	Run out				
5		5	Stumped				
6		6	Not out				
7		7	Retired				
8		8	Hit ball twice				
9		9	Hit wicket				
10		10	Obstruction				
11		11	Timed out				









SELECT * FROM roles

Data Output				Explain	Messages	Notifications
	id		role			
	[PK] integer		character varying (25)			
1		1	Batsman			
2		2	Bowler			
3		3	Wicket-keeper			
4		4	Captain			
5		5	All-rounder			

SELECT * FROM players (195 records)

Data Output							Explain	Messages	Notifications
	id		name		role_id	team_id			
	[PK] integer		character varying (50)		integer	integer			
1		2101	MS Dhoni		4	1			
2		2102	Ambati Rayadu		1	1			
3		2103	Monu Kumar		1	1			
4		2104	Murali Vijay		1	1			
5		2105	Ruturaj Gaikwad		1	1			
6		2106	Suresh Raina		1	1			
7		2107	Deepak Chahar		2	1			
8		2108	Piyush Chawla		2	1			
9		2109	Josh Hazlewood		2	1			
10		2110	Ravisrinivasan Sai Kishore		2	1			
11		2111	Lungi Ngidi		2	1			
12		2112	Mitchell Santner		2	1			
13		2113	Harbhajan Singh		2	1			
14		2114	Imran Tahir		2	1			
15		2115	Shardul Thakur		2	1			
16		2116	Narayan Jagadeesan		3	1			
17		2117	Dwayne Bravo		5	1			
18		2118	Sam Curran		5	1			
19		2119	KM Asif		5	1			
20		2120	Faf du Plessis		5	1			
21		2121	Kedar Jadhav		5	1			
22		2122	Devendra Jadeja		5	1			

SELECT * FROM match (60 records)

Data Output		Explain	Messages	Notifications				
	id [PK] integer 	date date 	venue_id integer 	teama_id integer 	teamb_id integer 	winner integer 	potm integer 	
1	1001	2020-09-19	3	5	1	1	2102	
2	1002	2020-09-20	1	2	3	2	2220	
3	1003	2020-09-21	1	8	7	7	2712	
4	1004	2020-08-22	2	6	1	6	2618	
5	1005	2020-08-23	3	4	5	5	2501	
6	1006	2020-09-24	1	3	7	3	2301	
7	1007	2020-09-25	1	1	2	2	2204	
8	1008	2020-09-26	3	4	8	4	2409	
9	1009	2020-09-27	2	6	3	6	2618	
10	1010	2020-09-28	1	7	5	7	2702	
11	1011	2020-09-29	3	2	8	8	2810	
12	1012	2020-09-30	1	6	4	4	2421	
13	1013	2020-10-01	3	3	5	5	2520	
14	1014	2020-10-02	1	1	8	8	2805	
15	1015	2020-10-03	3	7	6	7	2712	
16	1016	2020-10-03	2	2	4	2	2201	
17	1017	2020-10-04	2	5	8	5	2513	
18	1018	2020-10-04	1	3	1	1	2124	
19	1019	2020-10-05	1	2	7	2	2211	
20	1020	2020-10-06	3	5	6	5	2505	
21	1021	2020-10-07	3	1	4	4	2413	
22	1022	2020-10-08	1	2	8	8	2816	

SELECT * FROM matchruns (1440 records)

Data Output		Explain	Messages		Notifications															
	match_id integer		team_id integer		player_id integer		runs integer		balls integer		fours integer		sixes integer		bowler_id integer		wicket_id integer		notes character varying (100)	
1		1001		5	2501		12		10		2		0		2108				2 Caught by Sam Curran	
2		1001		5	2518		33		20		5		0		2118				2 Caught by Shane Watson	
3		1001		5	2505		17		16		2		0		2107				2 Caught by Sam Curran	
4		1001		5	2507		42		31		3		1		2122				2 Caught by Faf du Plessis	
5		1001		5	2519		14		10		0		2		2122				2 Caught by Faf du Plessis	
6		1001		5	2520		18		14		1		1		2111				2 Caught by MS Dhoni	
7		1001		5	2521		3		3		0		0		2111				2 Caught by MS Dhoni	
8		1001		5	2525		11		8		2		0		2111				2 Caught by Faf du Plessis	
9		1001		5	2522		2		4		0		0		[null]		6	[null]		
10		1001		5	2513		0		1		0		0		2107		1	[null]		
11		1001		5	2509		5		3		0		0		[null]		6	[null]		
12		1001		5	[null]		5		[null]		[null]		[null]		[null]		[null]	[null]	[null]	
13		1001		1	2104		1		7		0		0		2525		3	[null]		
14		1001		1	2124		4		5		1		0		2513		3	[null]		
15		1001		1	2120		58		44		6		0		[null]		6	[null]		
16		1001		1	2102		71		48		6		3		2522		2	Caught by Rahul Chahar		
17		1001		1	2122		10		5		2		0		2521		3	[null]		
18		1001		1	2118		18		6		1		2		2509		2	Caught by James Pattinson		
19		1001		1	2101		0		2		0		0		[null]		6	[null]		
20		1001		1	2121		[null]		[null]		[null]		[null]		[null]		[null]	[null]	CSK won by 5 wickets	
21		1001		1	2107		[null]		[null]		[null]		[null]		[null]		[null]	[null]	CSK won by 5 wickets	
22		1001		1	2108		[null]		[null]		[null]		[null]		[null]		[null]	[null]	CSK won by 5 wickets	

--Player of the Tournament

SELECT p2.name, t.name

FROM pott p1

JOIN players p2

ON p1.player_id = p2.id

JOIN teams t

ON p1.team_id = t.id

Data Output		Explain	Messages	Notifications
	<div><div><div></div><div>name</div><div>character varying (50)</div></div></div>		<div><div><div></div><div>name</div><div>character varying (50)</div></div></div>	
1	Jofra Archer		Rajasthan Royals	

--Scorecard

```
SELECT match_id, t.name, p1.name, runs, balls, fours, sixes, p2.name, w.dismissal, notes
FROM matchruns AS m
LEFT JOIN teams AS t
ON m.team_id = t.id
LEFT JOIN players AS p1
ON m.player_id = p1.id
LEFT JOIN players AS p2
ON m.bowler_id = p2.id
LEFT JOIN wickets AS w
ON m.wicket_id = w.id
```

Data Output Explain Messages Notifications												
	match_id integer	name character varying (50)	name character varying (50)	runs integer	balls integer	fours integer	sixes integer	name character varying (50)	dismissal character varying (25)	notes character varying (100)		
1	1001	Mumbai Indians	Rohit Sharma	12	10	2	0	Piyush Chawla	Caught	Caught by Sam Curran		
2	1001	Mumbai Indians	Quinton de Kock	33	20	5	0	Sam Curran	Caught	Caught by Shane Watson		
3	1001	Mumbai Indians	Suryakumar Yadav	17	16	2	0	Deepak Chahar	Caught	Caught by Sam Curran		
4	1001	Mumbai Indians	Saurabh Tiwary	42	31	3	1	Ravindra Jadeja	Caught	Caught by Faf du Plessis		
5	1001	Mumbai Indians	Hardik Pandya	14	10	0	2	Ravindra Jadeja	Caught	Caught by Faf du Plessis		
6	1001	Mumbai Indians	Kieron Pollard	18	14	1	1	Lungi Ngidi	Caught	Caught by MS Dhoni		
7	1001	Mumbai Indians	Krunal Pandya	3	3	0	0	Lungi Ngidi	Caught	Caught by MS Dhoni		
8	1001	Mumbai Indians	James Pattinson	11	8	2	0	Lungi Ngidi	Caught	Caught by Faf du Plessis		
9	1001	Mumbai Indians	Rahul Chahar	2	4	0	0	[null]	Not out	[null]		
10	1001	Mumbai Indians	Trent Boult	0	1	0	0	Deepak Chahar	Bowled	[null]		
11	1001	Mumbai Indians	Jasprit Bumrah	5	3	0	0	[null]	Not out	[null]		
12	1001	Mumbai Indians	[null]	5	[null]	[null]	[null]	[null]	[null]	[null]		
13	1001	Chennai Super Kings	Murali Vijay	1	7	0	0	James Pattinson	LBW	[null]		
14	1001	Chennai Super Kings	Shane Watson	4	5	1	0	Trent Boult	LBW	[null]		
15	1001	Chennai Super Kings	Faf du Plessis	58	44	6	0	[null]	Not out	[null]		
16	1001	Chennai Super Kings	Ambati Rayadu	71	48	6	3	Rahul Chahar	Caught	Caught by Rahul Chahar		
17	1001	Chennai Super Kings	Ravindra Jadeja	10	5	2	0	Krunal Pandya	LBW	[null]		
18	1001	Chennai Super Kings	Sam Curran	18	6	1	2	Jasprit Bumrah	Caught	Caught by James Pattinson		
19	1001	Chennai Super Kings	MS Dhoni	0	2	0	0	[null]	Not out	[null]		
20	1001	Chennai Super Kings	Kedar Jadhav	[null]	[null]	[null]	[null]	[null]	[null]	CSK won by 5 wickets		
21	1001	Chennai Super Kings	Deepak Chahar	[null]	[null]	[null]	[null]	[null]	[null]	CSK won by 5 wickets		
22	1001	Chennai Super Kings	Piyush Chawla	[null]	[null]	[null]	[null]	[null]	[null]	CSK won by 5 wickets		

--Matchlist

```
SELECT m.id, date, v.name AS venue, t1.name AS team1, t2.name AS team2, t3.name AS winner, p.name AS POTM
```

```
FROM match m
```

```
JOIN venues v
```

```
ON m.venue_id = v.id
```

```
JOIN teams t1
```

```
ON m.teama_id = t1.id
```

```
JOIN teams t2
```

```
ON m.teamb_id = t2.id
```








```
JOIN teams t3
```

```
ON m.winner = t3.id
```

```
JOIN players AS p
```

```
ON m.potm = p.id
```

```
ORDER BY m.id
```

	Data Output	Explain	Messages	Notifications			
	 id integer	 date	 venue character varying (50)	 team1 character varying (50)	 team2 character varying (50)	 winner character varying (50)	 potm character varying (50)
1	1001	2020-09-...	Sheikh Zayed Stadium	Mumbai Indians	Chennai Super Kings	Chennai Super Kings	Ambati Rayadu
2	1002	2020-09-...	Dubai International Stadium	Delhi Capitals	Kings XI Punjab	Delhi Capitals	Marcus Stoinis
3	1003	2020-09-...	Dubai International Stadium	Sunrisers Hyderabad	Royal Challengers Bangalore	Royal Challengers Bangalore	Yuzvendra Chahal
4	1004	2020-08-...	Sharjah Cricket Stadium	Rajasthan Royals	Chennai Super Kings	Rajasthan Royals	Sanju Samson
5	1005	2020-08-...	Sheikh Zayed Stadium	Kolkata Knight Riders	Mumbai Indians	Mumbai Indians	Rohit Sharma
6	1006	2020-09-...	Dubai International Stadium	Kings XI Punjab	Royal Challengers Bangalore	Kings XI Punjab	KL Rahul
7	1007	2020-09-...	Dubai International Stadium	Chennai Super Kings	Delhi Capitals	Delhi Capitals	Prithvi Shaw
8	1008	2020-09-...	Sheikh Zayed Stadium	Kolkata Knight Riders	Sunrisers Hyderabad	Kolkata Knight Riders	Shubman Gill
9	1009	2020-09-...	Sharjah Cricket Stadium	Rajasthan Royals	Kings XI Punjab	Rajasthan Royals	Sanju Samson
10	1010	2020-09-...	Dubai International Stadium	Royal Challengers Bangalore	Mumbai Indians	Royal Challengers Bangalore	AB de Villiers
11	1011	2020-09-...	Sheikh Zayed Stadium	Delhi Capitals	Sunrisers Hyderabad	Sunrisers Hyderabad	Rashid Khan
12	1012	2020-09-...	Dubai International Stadium	Rajasthan Royals	Kolkata Knight Riders	Kolkata Knight Riders	Shivam Mavi
13	1013	2020-10-...	Sheikh Zayed Stadium	Kings XI Punjab	Mumbai Indians	Mumbai Indians	Kieron Pollard
14	1014	2020-10-...	Dubai International Stadium	Chennai Super Kings	Sunrisers Hyderabad	Sunrisers Hyderabad	Priyam Garg
15	1015	2020-10-...	Sheikh Zayed Stadium	Royal Challengers Bangalore	Rajasthan Royals	Royal Challengers Bangalore	Yuzvendra Chahal
16	1016	2020-10-...	Sharjah Cricket Stadium	Delhi Capitals	Kolkata Knight Riders	Delhi Capitals	Shreyas Iyer
17	1017	2020-10-...	Sharjah Cricket Stadium	Mumbai Indians	Sunrisers Hyderabad	Mumbai Indians	Trent Boult
18	1018	2020-10-...	Dubai International Stadium	Kings XI Punjab	Chennai Super Kings	Chennai Super Kings	Shane Watson
19	1019	2020-10-...	Dubai International Stadium	Delhi Capitals	Royal Challengers Bangalore	Delhi Capitals	Axar Patel
20	1020	2020-10-...	Sheikh Zayed Stadium	Mumbai Indians	Rajasthan Royals	Mumbai Indians	Suryakumar Yadav
21	1021	2020-10-...	Sheikh Zayed Stadium	Chennai Super Kings	Kolkata Knight Riders	Kolkata Knight Riders	Rahul Tripathi
22	1022	2020-10-...	Dubai International Stadium	Kings XI Punjab	Sunrisers Hyderabad	Sunrisers Hyderabad	Ishan Baisraw

--Most Wickets

```
SELECT p.name, COUNT(*) AS tournament_wickets
FROM matchruns m
JOIN players p
ON m.bowler_id = p.id
GROUP BY p.name
ORDER BY tournament_wickets DESC
(87 records)
```

	Data Output	Explain	Messages	Notifications
	name character varying (50)		tournament_wickets bigint	
1	Kagiso Rabada		30	
2	Jasprit Bumrah		27	
3	Trent Boult		25	
4	Anrich Nortje		22	
5	Yuzvendra Chahal		21	
6	Mohammed Shami		20	
7	Rashid Khan		20	
8	Jofra Archer		20	
9	Varun Chakaravathy		17	
10	Thangarasu Natarajan		16	
11	Rahul Chahar		15	
12	Jason Holder		14	
13	Sandeep Sharma		14	
14	Sam Curran		13	
15	Ravichandran Ashwin		13	
16	Marcus Stoinis		13	
17	Ravi Bishnoi		12	
18	Deepak Chahar		12	
19	Pat Cummins		12	
20	James Pattinson		11	
21	Mohammaed Siraj		11	
22	Chris Morris		11	

--Most Runs

```
SELECT p.name, SUM(runs) AS tournament_runs
FROM matchruns m
JOIN players p
ON m.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY tournament_runs DESC
(134 records)
```

	name character varying (50)	tournament_runs bigint
1	KL Rahul	670
2	Shikhar Dhawan	618
3	David Warner	548
4	Shreyas Iyer	519
5	Ishan Kishan	516
6	Quinton de Kock	503
7	Suryakumar Yadav	480
8	Devdutt Padikkal	473
9	Virat Kohli	466
10	AB de Villiers	454
11	Faf du Plessis	449
12	Shubman Gill	440
13	Manish Pandey	425
14	Mayank Agarwal	424
15	Eoin Morgan	418
16	Sanju Samson	375
17	Ambati Rayadu	359
18	Nicholas Pooran	353
19	Nitish Rana	352
20	Marcus Stoinis	352
21	Jonny Bairstow	345
22	Rishabh Pant	343

--Most Fours

```
SELECT p.name, SUM(fours) AS tournament_runs
FROM matchruns m
```

```

JOIN players p
ON m.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY tournament_runs DESC

```

	name character varying (50)	tournament_runs bigint
1	Shikhar Dhawan	67
2	Suryakumar Yadav	61
3	KL Rahul	58
4	David Warner	52
5	Devdutt Padikkal	51
6	Quinton de Kock	46
7	Shubman Gill	44
8	Mayank Agarwal	44
9	Nitish Rana	43
10	Faf du Plessis	42
11	Shreyas Iyer	40
12	Ishan Kishan	36
13	Ben Stokes	36
14	Manish Pandey	35
15	Shane Watson	33
16	AB de Villiers	33
17	Steve Smith	32
18	Eoin Morgan	32
19	Marcus Stoinis	31
20	Jonny Bairstow	31
21	Rishabh Pant	31
22	Amith Patel	30

--Most Sixes

```

SELECT p.name, SUM(sixes) AS tournament_runs
FROM matchruns m
JOIN players p
ON m.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name

```

ORDER BY tournament_runs DESC, p.name

	Data Output	Explain	Messages	Notifications
	name character varying (50)	tournament_runs bigint		
1	Ishan Kishan	30		
2	Sanju Samson	26		
3	Hardik Pandya	25		
4	Nicholas Pooran	25		
5	Eoin Morgan	24		
6	AB de Villiers	23		
7	Chris Gayle	23		
8	KL Rahul	23		
9	Kieron Pollard	22		
10	Quinton de Kock	22		
11	Rohit Sharma	19		
12	Manish Pandey	18		
13	Rahul Tewatia	17		
14	Jos Buttler	16		
15	Marcus Stoinis	16		
16	Shreyas Iyer	16		
17	Mayank Agarwal	15		
18	David Warner	14		
19	Faf du Plessis	14		
20	Jonny Bairstow	13		
21	Shane Watson	13		
22	Ambati Rayudu	12		

--Number of matches played in each stadium

SELECT v.name, COUNT(*)

FROM match m

JOIN venues v

ON m.venue_id = v.id

GROUP BY v.name

ORDER BY COUNT(*) DESC

	Data Output	Explain	Messages	Not
	name character varying (50)		count bigint	
1	Dubai International Stadium		26	
2	Sheikh Zayed Stadium		23	
3	Sharjah Cricket Stadium		11	




--Number of runs scored in the first game of the IPL

```
SELECT match_id, team_id, SUM(runs)
FROM matchruns
WHERE match_id = 1001
GROUP BY match_id, team_id
ORDER BY match_id
```

	Data Output	Explain	Messages	Noti
	match_id integer	team_id integer	sum bigint	
1	1001	1	166	
2	1001	5	162	

--Number of runs scored in all games of the IPL

```
SELECT match_id, t.name, SUM(runs)
FROM matchruns m
JOIN teams t
ON m.team_id = t.id
GROUP BY match_id, t.name
ORDER BY match_id
```

Data Output		Explain	Messages	Notifications	
	match_id integer		name character varying (50)	 sum bigint	
1		1001	Chennai Super Kings		166
2		1001	Mumbai Indians		162
3		1002	Delhi Capitals		157
4		1002	Kings XI Punjab		157
5		1003	Royal Challengers Bangalore		163
6		1003	Sunrisers Hyderabad		153
7		1004	Chennai Super Kings		200
8		1004	Rajasthan Royals		216
9		1005	Kolkata Knight Riders		146
10		1005	Mumbai Indians		195
11		1006	Kings XI Punjab		206
12		1006	Royal Challengers Bangalore		109
13		1007	Chennai Super Kings		131
14		1007	Delhi Capitals		175
15		1008	Kolkata Knight Riders		145
16		1008	Sunrisers Hyderabad		142
17		1009	Kings XI Punjab		223
18		1009	Rajasthan Royals		226
19		1010	Mumbai Indians		201
20		1010	Royal Challengers Bangalore		201
21		1011	Delhi Capitals		147
22		1011	Sunrisers Hyderabad		162

--Matches that took place at Dubai International Stadium

SELECT * FROM match

JOIN venues

ON match.venue_id = venues.id

WHERE name = 'Dubai International Stadium'

Data Output		Explain	Messages	Notifications							
	id integer	date date	venue_id integer	team_a_id integer	team_b_id integer	winner integer	potm integer	id integer	name character varying (50)	city character varying (50)	
1		1002 2020-09-20		1	2	3	2	2220	1 Dubai International Stadium	Dubai	
2		1003 2020-09-21		1	8	7	7	2712	1 Dubai International Stadium	Dubai	
3		1006 2020-09-24		1	3	7	3	2301	1 Dubai International Stadium	Dubai	
4		1007 2020-09-25		1	1	2	2	2204	1 Dubai International Stadium	Dubai	
5		1010 2020-09-28		1	7	5	7	2702	1 Dubai International Stadium	Dubai	
6		1012 2020-09-30		1	6	4	4	2421	1 Dubai International Stadium	Dubai	
7		1014 2020-10-02		1	1	8	8	2805	1 Dubai International Stadium	Dubai	
8		1018 2020-10-04		1	3	1	1	2124	1 Dubai International Stadium	Dubai	
9		1019 2020-10-05		1	2	7	2	2211	1 Dubai International Stadium	Dubai	
10		1022 2020-10-08		1	3	8	8	2816	1 Dubai International Stadium	Dubai	
11		1025 2020-10-10		1	1	7	7	2701	1 Dubai International Stadium	Dubai	
12		1026 2020-10-11		1	8	6	6	2610	1 Dubai International Stadium	Dubai	
13		1029 2020-10-13		1	8	1	1	2122	1 Dubai International Stadium	Dubai	
14		1030 2020-10-14		1	2	6	2	2223	1 Dubai International Stadium	Dubai	
15		1033 2020-10-17		1	6	7	7	2702	1 Dubai International Stadium	Dubai	
16		1036 2020-10-18		1	5	3	3	2301	1 Dubai International Stadium	Dubai	
17		1038 2020-10-20		1	3	2	3	2205	1 Dubai International Stadium	Dubai	
18		1040 2020-10-22		1	6	8	8	2804	1 Dubai International Stadium	Dubai	
19		1043 2020-10-24		1	3	8	3	2321	1 Dubai International Stadium	Dubai	
20		1044 2020-10-25		1	7	1	1	2105	1 Dubai International Stadium	Dubai	
21		1047 2020-10-27		1	8	2	8	2818	1 Dubai International Stadium	Dubai	
22		1049 2020-10-28		1	4	1	1	2105	1 Dubai International Stadium	Dubai	

--Which players were out via Bowled

SELECT * FROM matchruns

JOIN wickets












ON matchruns.wicket_id = wickets.id

WHERE dismissal = 'Bowled'

Data Output		Explain	Messages	Notifications								
	match_id integer	team_id integer	player_id integer	runs integer	balls integer	fours integer	sixes integer	bowler_id integer	wicket_id integer	notes character varying (100)	id integer	dismissal character varying (25)
1	1001	5	2513	0	1	0	0	2107	1	[null]		1 Bowled
2	1002	2	2218	31	29	4	0	2315	1	[null]		1 Bowled
3	1002	3	2301	21	19	2	1	2215	1	[null]		1 Bowled
4	1002	3	2310	0	3	0	0	2209	1	[null]		1 Bowled
5	1003	7	2703	56	42	8	0	2819	1	[null]		1 Bowled
6	1003	8	2816	61	43	6	2	2712	1	[null]		1 Bowled
7	1003	8	2805	12	13	1	0	2717	1	[null]		1 Bowled
8	1003	8	2819	0	1	0	0	2712	1	[null]		1 Bowled
9	1003	8	2810	6	5	1	0	2709	1	[null]		1 Bowled
10	1003	8	2808	0	2	0	0	2709	1	[null]		1 Bowled
11	1004	1	2124	33	21	1	4	2610	1	[null]		1 Bowled
12	1005	4	2402	11	11	2	0	2509	1	[null]		1 Bowled
13	1006	3	2309	26	20	4	0	2712	1	[null]		1 Bowled
14	1006	7	2705	20	21	3	0	2315	1	[null]		1 Bowled
15	1006	7	2717	12	12	0	1	2320	1	[null]		1 Bowled
16	1006	7	2710	0	2	0	0	2315	1	[null]		1 Bowled
17	1006	7	2709	6	7	1	0	2317	1	[null]		1 Bowled
18	1008	8	2816	5	10	0	0	2418	1	[null]		1 Bowled
19	1009	6	2602	0	2	0	0	2317	1	[null]		1 Bowled
20	1011	2	2211	5	6	0	0	2814	1	[null]		1 Bowled
21	1012	4	2420	15	14	2	1	2612	1	[null]		1 Bowled
22	1012	6	2610	14	10	0	1	2422	1	[null]		1 Bowled

--Number of stumps/catches made by Rishabh Pant




```
SELECT * FROM matchruns  
WHERE notes LIKE '%Pant'
```

Data Output		Explain	Messages	Notifications							
	 match_id integer	 team_id integer	 player_id integer	 runs integer	 balls integer	 fours integer	 sixes integer	 bowler_id integer	 wicket_id integer	 notes character varying (100)	
1		1002	3	2306	20	14	1	1	2214	2 Caught by Rishabh Pant	
2		1007	1	2120	43	35	4	0	2214	2 Caught by Rishabh Pant	
3		1007	1	2101	15	12	2	0	2214	2 Caught by Rishabh Pant	
4		1011	8	2803	45	33	3	2	2217	2 Caught by Rishabh Pant	
5		1016	4	2409	28	22	2	1	2217	2 Caught by Rishabh Pant	
6		1019	7	2705	13	14	1	0	2211	2 Caught by Rishabh Pant	
7		1019	7	2701	43	39	2	1	2214	2 Caught by Rishabh Pant	
8		1023	6	2611	1	2	0	0	2214	2 Caught by Rishabh Pant	
9		1038	3	2310	53	28	6	3	2214	2 Caught by Rishabh Pant	
10		1038	3	2320	32	24	3	0	2214	2 Caught by Rishabh Pant	
11		1042	4	2401	3	6	0	0	2214	2 Caught by Rishabh Pant	
12		1055	7	2721	0	2	0	0	2223	2 Caught by Rishabh Pant	
13		1060	5	2518	20	12	3	1	2220	2 Caught by Rishabh Pant	

COUNT

-- Players with the most wickets in pre playoffs

```
SELECT p.name, COUNT(*) AS wickets  
FROM matchruns  
JOIN players AS p  
ON matchruns.bowler_id = p.id  
WHERE match_id BETWEEN 1001 AND 1056  
GROUP BY p.name  
ORDER BY wickets DESC
```

	Data Output	Explain	Messages	Notifications
	 name character varying (50)		 wickets bigint	
1	Kagiso Rabada		25	
2	Jasprit Bumrah		23	
3	Jofra Archer		20	
4	Trent Boult		20	
5	Yuzvendra Chahal		20	
6	Mohammed Shami		20	
7	Anrich Nortje		19	
8	Rashid Khan		19	
9	Varun Chakaravathy		17	
10	Rahul Chahar		15	
11	Thangarasu Natarajan		14	
12	Sandeep Sharma		13	
13	Sam Curran		13	
14	Ravi Bishnoi		12	
15	Deepak Chahar		12	
16	Pat Cummins		12	
17	Chris Morris		11	
18	James Pattinson		11	
19	Murugan Ashwin		10	
20	Shreyas Gopal		10	
21	Ravichandran Ashwin		10	
22	Shardul Thakur		10	

-- Players with the most wickets during playoffs

```

SELECT p.name, COUNT(*) AS wickets
FROM matchruns
JOIN players AS p
ON matchruns.bowler_id = p.id
WHERE match_id BETWEEN 1057 AND 1060
GROUP BY p.name
ORDER BY wickets DESC

```




	name	wickets
	character varying (50)	bigint
1	Kagiso Rabada	5
2	Trent Boult	5
3	Marcus Stoinis	5
4	Jason Holder	4
5	Jasprit Bumrah	4
6	Ravichandran Ashwin	3
7	Anrich Nortje	3
8	Mohamdaed Siraj	2
9	Nathan Coulter-Nile	2
10	Thangarasu Natarajan	2
11	Sandeep Sharma	1
12	Adam Zampa	1
13	Kieron Pollard	1
14	Krunal Pandya	1
15	Rashid Khan	1
16	Jayant Yadav	1
17	Shahbaz Nadeem	1
18	Axar Patel	1
19	Yuzvendra Chahal	1

-- Number of wins from each team

```

SELECT t.name, COUNT(*) AS wins
FROM match m
JOIN teams t
ON m.winner = t.id
WHERE m.id BETWEEN 1001 AND 1056
GROUP BY t.name
ORDER BY wins DESC

```

Data Output		Explain	Messages	Notific
	name character varying (50)		wins bigint	
1	Mumbai Indians		9	
2	Delhi Capitals		8	
3	Royal Challengers Bangalore		7	
4	Sunrisers Hyderabad		7	
5	Kolkata Knight Riders		7	
6	Kings XI Punjab		6	
7	Rajasthan Royals		6	
8	Chennai Super Kings		6	

--Number of matches played by each player during the tournament

```

SELECT p.name, COUNT(*) AS innings
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
GROUP BY p.name
ORDER BY innings DESC
(151 records)

```

	Data Output	Explain	Messages	Notifications
	name character varying (50)		innings bigint	
1	Shikhar Dhawan		17	
2	Kagiso Rabada		17	
3	Marcus Stoinis		17	
4	Shreyas Iyer		17	
5	Quinton de Kock		16	
6	Rashid Khan		16	
7	Krunal Pandya		16	
8	Suryakumar Yadav		16	
9	Kieron Pollard		16	
10	Thangarasu Natarajan		16	
11	Anrich Nortje		16	
12	David Warner		16	
13	Manish Pandey		16	
14	Virat Kohli		15	
15	AB de Villiers		15	
16	Trent Boult		15	
17	Washington Sundar		15	
18	Yuzvendra Chahal		15	
19	Rahul Chahar		15	
20	Ravichandran Ashwin		15	
21	Jasprit Bumrah		15	
22	Axar Patel		15	

--Number of ducks made in the IPL

```

SELECT p.name, runs, COUNT(*) AS ducks
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs= 0
AND wicket_id != 6
GROUP BY p.name, runs
ORDER BY COUNT(*) DESC
(52 records)

```

	name	runs	ducks
	character varying (50)	integer	bigint
1	Shikhar Dhawan	0	4
2	Nitish Rana	0	3
3	Prithvi Shaw	0	3
4	Dinesh Karthik	0	3
5	Ajinkya Rahane	0	2
6	Suryakumar Yadav	0	2
7	Sam Curran	0	2
8	Sanju Samson	0	2
9	Sunil Narine	0	2
10	Riyan Parag	0	2
11	Mandeep Singh	0	2
12	Ruturaj Gaikwad	0	2
13	Shreevats Goswami	0	2
14	Hardik Pandya	0	1
15	Quinton de Kock	0	1
16	Nicholas Pooran	0	1
17	Khaleel Ahmed	0	1
18	Glenn Maxwell	0	1
19	Priyam Garg	0	1
20	Josh Philippe	0	1
21	Bhuvneshwar Kumar	0	1
22	Kieron Pollard	0	1

SUM

-- Players with the most runs pre playoffs

```

SELECT p.name, SUM(runs) AS total_runs
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
AND match_id BETWEEN 1001 AND 1056
GROUP BY p.name
ORDER BY total_runs DESC
(132 records)

```

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

	name character varying (50)	total_runs bigint
1	KL Rahul	670
2	David Warner	529
3	Shikhar Dhawan	525
4	Devdutt Padikkal	472
5	Virat Kohli	460
6	Faf du Plessis	449
7	Quinton de Kock	443
8	Shubman Gill	440
9	Ishan Kishan	428
10	Mayank Agarwal	424
11	Shreyas Iyer	421
12	Eoin Morgan	418
13	Suryakumar Yadav	410
14	AB de Villiers	398
15	Manish Pandey	380
16	Sanju Samson	375
17	Ambati Rayadu	359
18	Nicholas Pooran	353
19	Nitish Rana	352
20	Jonny Bairstow	345
21	Jos Buttler	328
22	Steve Smith	311

-- Players with the most runs during playoffs

```
SELECT p.name, SUM(runs) AS total_runs
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
AND match_id BETWEEN 1057 AND 1060
GROUP BY p.name
ORDER BY total_runs DESC
(37 records)
```

	Data Output	Explain	Messages	Notifications
	name character varying (50)	total_runs bigint		
1	Kane Williamson	117		
2	Marcus Stoinis	103		
3	Shreyas Iyer	98		
4	Shikhar Dhawan	93		
5	Ishan Kishan	88		
6	Suryakumar Yadav	70		
7	Rohit Sharma	68		
8	Rishabh Pant	61		
9	Quinton de Kock	60		
10	AB de Villiers	56		
11	Axar Patel	51		
12	Shimron Heymyer	47		
13	Manish Pandey	45		
14	Hardik Pandya	40		
15	Jason Holder	35		
16	Abdul Samad	33		
17	Aaron Finch	32		
18	Priyam Garg	24		
19	David Warner	19		
20	Kagiso Rabada	15		
21	Krunal Pandya	14		
22	Rashid Khan	11		

-- Highest Scores in the IPL

```

SELECT match_id, p.name, SUM(runs) AS total_runs
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY match_id, p.name
ORDER BY total_runs DESC
(883 records)

```

Data Output Explain Messages Notifications

	name character varying (50)	total_runs bigint
1	KL Rahul	670
2	David Warner	529
3	Shikhar Dhawan	525
4	Devdutt Padikkal	472
5	Virat Kohli	460
6	Faf du Plessis	449
7	Quinton de Kock	443
8	Shubman Gill	440
9	Ishan Kishan	428
10	Mayank Agarwal	424
11	Shreyas Iyer	421
12	Eoin Morgan	418
13	Suryakumar Yadav	410
14	AB de Villiers	398
15	Manish Pandey	380
16	Sanju Samson	375
17	Ambati Rayadu	359
18	Nicholas Pooran	353
19	Nitish Rana	352
20	Jonny Bairstow	345
21	Jos Buttler	328
22	Steve Smith	311

--Number of balls faced in descending order

```
SELECT p.name, SUM(balls) AS total_balls
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY total_balls DESC
```

	Data Output	Explain	Messages	Notifications
	name character varying (50)		total_balls bigint	
1	KL Rahul		518	
2	Shikhar Dhawan		427	
3	Shreyas Iyer		421	
4	David Warner		407	
5	Virat Kohli		384	
6	Devdutt Padikkal		379	
7	Shubman Gill		373	
8	Quinton de Kock		358	
9	Ishan Kishan		354	
10	Manish Pandey		333	
11	Suryakumar Yadav		331	
12	Faf du Plessis		319	
13	Eoin Morgan		302	
14	Rishabh Pant		301	
15	AB de Villiers		286	
16	Ambati Rayadu		282	
17	Jonny Bairstow		272	
18	Mayank Agarwal		271	
19	Rohit Sharma		260	
20	Nitish Rana		254	
21	Shane Watson		247	
22	Aaron Finch		241	

--Most Boundaries by a player in IPL

```

SELECT p.name, SUM(fours + sixes) AS total_boundaries
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY total_boundaries DESC
(134 records)

```






	Data Output	Explain	Messages	Notifications
	name character varying (50)		total_boundaries bigint	
1	KL Rahul		81	
2	Shikhar Dhawan		79	
3	Suryakumar Yadav		72	
4	Quinton de Kock		68	
5	Ishan Kishan		66	
6	David Warner		66	
7	Mayank Agarwal		59	
8	Devdutt Padikkal		59	
9	Faf du Plessis		56	
10	Eoin Morgan		56	
11	Shreyas Iyer		56	
12	AB de Villiers		56	
13	Nitish Rana		55	
14	Shubman Gill		53	
15	Manish Pandey		53	
16	Nicholas Pooran		48	
17	Marcus Stoinis		47	
18	Sanju Samson		47	
19	Shane Watson		46	
20	Rohit Sharma		46	
21	Jonny Bairstow		44	
22	Jos Buttler		43	

--Most sixes per game in IPL

```

SELECT p.name, SUM(fours) AS fours, SUM(sixes) AS sixes
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY sixes DESC

```

	Data Output	Explain	Messages	Notifications
	 name character varying (50)	 fours bigint	 sixes bigint	
1	Ishan Kishan	36	30	
2	Sanju Samson	21	26	
3	Nicholas Pooran	23	25	
4	Hardik Pandya	14	25	
5	Eoin Morgan	32	24	
6	AB de Villiers	33	23	
7	Chris Gayle	15	23	
8	KL Rahul	58	23	
9	Kieron Pollard	15	22	
10	Quinton de Kock	46	22	
11	Rohit Sharma	27	19	
12	Manish Pandey	35	18	
13	Rahul Tewatia	13	17	
14	Shreyas Iyer	40	16	
15	Jos Buttler	27	16	
16	Marcus Stoinis	31	16	
17	Mayank Agarwal	44	15	
18	David Warner	52	14	
19	Faf du Plessis	42	14	
20	Jonny Bairstow	31	13	
21	Shane Watson	33	13	
22	Shikhar Dhawan	67	12	

-- Most runs scored in an innings in the series

```

SELECT p.name, MAX(runs) AS maxruns
FROM matchruns AS m
JOIN players AS p
ON m.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY maxruns DESC

```

[Data Output](#) [Explain](#) [Messages](#) [Notificat](#)

	name character varying (50)	maxruns integer
1	KL Rahul	132
2	Ben Stokes	107
3	Mayank Agarwal	106
4	Shikhar Dhawan	106
5	Chris Gayle	99
6	Ishan Kishan	99
7	Jonny Bairstow	97
8	Virat Kohli	90
9	Shreyas Iyer	88
10	Faf du Plessis	87
11	Nitish Rana	87
12	Wridhiman Saha	87
13	Sanju Samson	85
14	David Warner	85
15	Shane Watson	83
16	Manish Pandey	83
17	Rahul Tripathi	81
18	Rohit Sharma	80
19	Suryakumar Yadav	79
20	Quinton de Kock	78
21	Nicholas Pooran	77
22	Devdutt Padikkal	74

JOINS

Scorecard

```
SELECT match_id, t.name, p1.name, runs, balls, fours, sixes, p2.name, w.dismissal, notes
FROM matchruns AS m
LEFT JOIN teams AS t
ON m.team_id = t.id
LEFT JOIN players AS p1
ON m.player_id = p1.id
LEFT JOIN players AS p2
ON m.bowler_id = p2.id
LEFT JOIN wickets AS w
ON m.wicket_id = w.id
(1440 records)
```

Data Output Explain Messages Notifications

	match_id integer	name character varying (50)	name character varying (50)	runs integer	balls integer	fours integer	sixes integer	name character varying (50)	dismissal character varying (25)	notes character varying (100)
1	1001	Mumbai Indians	Rohit Sharma		12	10	2	0 Piyush Chawla	Caught	Caught by Sam Curran
2	1001	Mumbai Indians	Quinton de Kock		33	20	5	0 Sam Curran	Caught	Caught by Shane Watson
3	1001	Mumbai Indians	Suryakumar Yadav		17	16	2	0 Deepak Chahar	Caught	Caught by Sam Curran
4	1001	Mumbai Indians	Saurabh Tiwary		42	31	3	1 Ravindra Jadeja	Caught	Caught by Faf du Plessis
5	1001	Mumbai Indians	Hardik Pandya		14	10	0	2 Ravindra Jadeja	Caught	Caught by Faf du Plessis
6	1001	Mumbai Indians	Kieron Pollard		18	14	1	1 Lungi Ngidi	Caught	Caught by MS Dhoni
7	1001	Mumbai Indians	Krunal Pandya		3	3	0	0 Lungi Ngidi	Caught	Caught by MS Dhoni
8	1001	Mumbai Indians	James Pattinson		11	8	2	0 Lungi Ngidi	Caught	Caught by Faf du Plessis
9	1001	Mumbai Indians	Rahul Chahar		2	4	0	0 [null]	Not out	[null]
10	1001	Mumbai Indians	Trent Boult		0	1	0	0 Deepak Chahar	Bowled	[null]
11	1001	Mumbai Indians	Jasprit Bumrah		5	3	0	0 [null]	Not out	[null]
12	1001	Mumbai Indians	[null]		5	[null]	[null]	[null] [null]	[null]	[null]
13	1001	Chennai Super Kings	Murali Vijay		1	7	0	0 James Pattinson	LBW	[null]
14	1001	Chennai Super Kings	Shane Watson		4	5	1	0 Trent Boult	LBW	[null]
15	1001	Chennai Super Kings	Faf du Plessis		58	44	6	0 [null]	Not out	[null]
16	1001	Chennai Super Kings	Ambati Rayadu		71	48	6	3 Rahul Chahar	Caught	Caught by Rahul Chahar
17	1001	Chennai Super Kings	Ravindra Jadeja		10	5	2	0 Krunal Pandya	LBW	[null]
18	1001	Chennai Super Kings	Sam Curran		18	6	1	2 Jasprit Bumrah	Caught	Caught by James Pattinson
19	1001	Chennai Super Kings	MS Dhoni		0	2	0	0 [null]	Not out	[null]
20	1001	Chennai Super Kings	Kedar Jadhav		[null]	[null]	[null]	[null] [null]	[null]	CSK won by 5 wickets
21	1001	Chennai Super Kings	Deepak Chahar		[null]	[null]	[null]	[null] [null]	[null]	CSK won by 5 wickets
22	1001	Chennai Super Kings	Piyush Chawla		[null]	[null]	[null]	[null] [null]	[null]	CSK won by 5 wickets

--Best bowling figures in an innings

```
SELECT match_id, p.name, COUNT(*) AS wickets
FROM matchruns
JOIN players AS p
ON matchruns.bowler_id = p.id
GROUP BY match_id, p.name
ORDER BY wickets DESC
(394 records)
```

Data Output Explain Messages Notifications

	match_id integer	name character varying (50)	wickets bigint
1	1042	Varun Chakaravathy	5
2	1057	Jasprit Bumrah	4
3	1033	Chris Morris	4
4	1020	Jasprit Bumrah	4
5	1041	Trent Boult	4
6	1054	Pat Cummins	4
7	1019	Kagiso Rabada	4
8	1059	Kagiso Rabada	4
9	1006	Murugan Ashwin	3
10	1001	Lungi Ngidi	3
11	1011	Rashid Khan	3
12	1042	Pat Cummins	3
13	1058	Jason Holder	3
14	1023	Kagiso Rabada	3
15	1040	Jason Holder	3
16	1002	Mohammed Shami	3
17	1023	Jofra Archer	3
18	1024	Prasidh Krishna	3
19	1035	Lockie Ferguson	3
20	1015	Yuzvendra Chahal	3
21	1054	Rahul Tewatia	3
22	1051	Trent Boult	3

-- Outcomes with each player batting (CASE STATEMENT)

```
SELECT match_id, team_id, player_id, runs, balls,  
CASE WHEN runs= 0 THEN 'Duck!'  
WHEN runs BETWEEN 50 AND 100 THEN 'Half Century'  
WHEN runs BETWEEN 100 AND 200 THEN 'Century'  
WHEN runs>= 200 THEN 'Double Century'  
WHEN runs IS NULL THEN 'Did not bat'  
ELSE 'Howzat!' END AS outcome  
FROM matchruns
```

	match_id integer	team_id integer	player_id integer	runs integer	balls integer	outcome text
1	1001	5	2501	12	10	Howzat!
2	1001	5	2518	33	20	Howzat!
3	1001	5	2505	17	16	Howzat!
4	1001	5	2507	42	31	Howzat!
5	1001	5	2519	14	10	Howzat!
6	1001	5	2520	18	14	Howzat!
7	1001	5	2521	3	3	Howzat!
8	1001	5	2525	11	8	Howzat!
9	1001	5	2522	2	4	Howzat!
10	1001	5	2513	0	1	Duck!
11	1001	5	2509	5	3	Howzat!
12	1001	5	[null]	5	[null]	Howzat!
13	1001	1	2104	1	7	Howzat!
14	1001	1	2124	4	5	Howzat!
15	1001	1	2120	58	44	Half Century
16	1001	1	2102	71	48	Half Century
17	1001	1	2122	10	5	Howzat!
18	1001	1	2118	18	6	Howzat!
19	1001	1	2101	0	2	Duck!
20	1001	1	2121	[null]	[null]	Did not bat
21	1001	1	2107	[null]	[null]	Did not bat
22	1001	1	2108	[null]	[null]	Did not bat

SUBQUERIES

--Semi Scorecard for matches taken place at Sharjah (Semi Join)

```
SELECT m.match_id, player_id , runs, balls, bowler_id, wicket_id  
FROM matchruns AS m  
WHERE match_id IN (SELECT id FROM match  
WHERE venue_id = 2)  
ORDER BY m.match_id  
(264 records)
```

Data Output		Explain	Messages	Notifications			
	match_id integer	player_id integer	runs integer	balls integer	bowler_id integer	wicket_id integer	
1	1004	2623	6	6	2107	2	
2	1004	2601	69	47	2118	2	
3	1004	2618	74	32	2111	2	
4	1004	2605	0	0	[null]	4	
5	1004	2604	5	9	2108	2	
6	1004	2610	10	8	2118	3	
7	1004	2602	6	4	2118	2	
8	1004	2624	10	9	[null]	6	
9	1004	2608	27	8	[null]	6	
10	1004	2622	[null]	[null]	[null]	[null]	
11	1004	2612	[null]	[null]	[null]	[null]	
12	1004	[null]	9	[null]	[null]	[null]	
13	1004	2104	21	21	2622	2	
14	1004	2124	33	21	2610	1	
15	1004	2120	72	37	2608	2	
16	1004	2118	17	6	2610	5	
17	1004	2105	0	1	2610	5	
18	1004	2121	22	16	2624	2	
19	1004	2101	29	17	[null]	6	
20	1004	2122	1	2	[null]	6	
21	1004	2107	[null]	[null]	[null]	[null]	
22	1004	2108	[null]	[null]	[null]	[null]	

--Semi Scorecard for matches taken place with Kings XI as winners

```

SELECT m.match_id, player_id , runs, balls, bowler_id, wicket_id
FROM matchruns AS m
WHERE match_id IN (SELECT id FROM match
WHERE winner = 3)
ORDER BY m.match_id

```

Data Output		Explain	Messages	Notifications			
	match_id integer	player_id integer	runs integer	balls integer	bowler_id integer	wicket_id integer	
1	1006	2301	132	69	[null]	6	
2	1006	2309	26	20	2712	1	
3	1006	2310	17	18	2717	2	
4	1006	2320	5	6	2717	2	
5	1006	2302	15	8	[null]	6	
6	1006	2311	[null]	[null]	[null]	[null]	
7	1006	2323	[null]	[null]	[null]	[null]	
8	1006	2317	[null]	[null]	[null]	[null]	
9	1006	2314	[null]	[null]	[null]	[null]	
10	1006	2316	[null]	[null]	[null]	[null]	
11	1006	2315	[null]	[null]	[null]	[null]	
12	1006	[null]	11	[null]	[null]	[null]	
13	1006	2703	1	2	2316	2	
14	1006	2705	20	21	2315	1	
15	1006	2714	0	3	2314	3	
16	1006	2701	1	5	2316	2	
17	1006	2702	28	18	2317	2	
18	1006	2711	30	27	2315	2	
19	1006	2717	12	12	2320	1	
20	1006	2710	0	2	2315	1	
21	1006	2709	6	7	2317	1	
22	1006	2707	1	2	[null]	6	

FROM

-- Number of wickets taken per venue (Yuzvendra Chahal)

SELECT v.name, subquery.wickets

FROM match

JOIN venues AS v

ON match.venue_id = v.id,

(SELECT match_id, p.name AS bowler, COUNT(*) AS wickets

FROM matchruns

JOIN players AS p

ON matchruns.bowler_id = p.id

WHERE p.name = 'Yuzvendra Chahal'

GROUP BY match_id, p.name) AS subquery

WHERE match.id = subquery.match_id

	Data Output	Explain	Messages	Notifications
	name character varying (50)	wickets bigint		
1	Dubai International Stadium	3		
2	Dubai International Stadium	1		
3	Dubai International Stadium	1		
4	Sheikh Zayed Stadium	3		
5	Dubai International Stadium	1		
6	Sharjah Cricket Stadium	1		
7	Sheikh Zayed Stadium	1		
8	Dubai International Stadium	2		
9	Sheikh Zayed Stadium	2		
10	Dubai International Stadium	1		
11	Sheikh Zayed Stadium	2		
12	Sharjah Cricket Stadium	2		
13	Sheikh Zayed Stadium	1		

--Number of runs made per venue (Shubman Gill)

SELECT v.name, subquery.runs

FROM match

JOIN venues v

ON match.venue_id = v.id,

(SELECT match_id, p.name, SUM(runs) AS runs

FROM matchruns m

JOIN players p

ON m.player_id = p.id

WHERE p.name = 'Shubman Gill'

GROUP BY match_id, p.name) AS subquery

WHERE match.id = subquery.match_id

	Data Output	Explain	Messages	Notification
	name character varying (50)	runs bigint		
1	Sheikh Zayed Stadium	7		
2	Sheikh Zayed Stadium	70		
3	Dubai International Stadium	47		
4	Sharjah Cricket Stadium	28		
5	Sheikh Zayed Stadium	11		
6	Sheikh Zayed Stadium	57		
7	Sharjah Cricket Stadium	34		
8	Sheikh Zayed Stadium	21		
9	Sheikh Zayed Stadium	36		
10	Sheikh Zayed Stadium	1		
11	Sheikh Zayed Stadium	9		
12	Sharjah Cricket Stadium	57		
13	Dubai International Stadium	26		
14	Dubai International Stadium	36		

--Players who score more than 100 runs in the series

```
SELECT p.name, runs, balls, fours, sixes FROM
(SELECT * FROM matchruns WHERE runs > 100) a
LEFT JOIN players AS p
ON a.player_id = p.id
```

Data Output		Explain	Messages	Notifications					
	name character varying (50)	runs integer	balls integer	fours integer	sixes integer				
1	Shikhar Dhawan	106	61	12	3				
2	Shikhar Dhawan	101	58	14	1				
3	KL Rahul	132	69	14	7				
4	Mayank Agarwal	106	50	10	7				
5	Ben Stokes	107	60	14	3				

WHERE

-- Show all scores where Delhi Capitals won

```
SELECT * FROM matchruns
WHERE match_id
IN (SELECT id FROM match WHERE winner = 2)
(216 records)
```


Data Output Explain Messages Notifications

	match_id integer	team_id integer	player_id integer	runs integer	balls integer	fours integer	sixes integer	bowler_id integer	wicket_id integer	notes character varying (100)
1	1002	2	2204	5	9	1	0	2314	2	Caught by Chris Jordan
2	1002	2	2205	0	2	0	0	[null]	4	[null]
3	1002	2	2206	7	13	1	0	2314	2	Caught by Mayank Agarwal
4	1002	2	2201	39	32	0	3	2314	2	Caught by Chris Jordan
5	1002	2	2218	31	29	4	0	2315	1	[null]
6	1002	2	2220	53	21	7	3	[null]	4	[null]
7	1002	2	2211	6	9	0	0	2316	2	Caught by KL Rahul
8	1002	2	2209	4	6	0	0	2316	2	Caught by Mohammed Shami
9	1002	2	2214	0	0	0	0	[null]	6	[null]
10	1002	2	2223	3	1	0	0	[null]	6	[null]
11	1002	2	2215	[null]	[null]	[null]	[null]	[null]	[null]	Innings close at 157-8
12	1002	2	[null]	9	[null]	[null]	[null]	[null]	[null]	[null]
13	1002	3	2301	21	19	2	1	2215	1	[null]
14	1002	3	2309	89	60	7	4	2220	2	Caught by Shimron Hetmyer
15	1002	3	2302	1	3	0	0	2209	2	Caught by Prithvi Shaw
16	1002	3	2310	0	3	0	0	2209	1	[null]
17	1002	3	2320	1	4	0	0	2214	2	Caught by Shreyas Iyer
18	1002	3	2311	12	12	2	0	2211	2	Caught by Prithvi Shaw
19	1002	3	2306	20	14	1	1	2214	2	Caught by Rishabh Pant
20	1002	3	2321	5	6	0	0	2220	2	Caught by Kagiso Rabada
21	1002	3	2314	0	0	0	0	[null]	6	[null]
22	1002	2	2216	[null]	[null]	[null]	[null]	[null]	[null]	DC won the Super Over

--Show all LBW dismissals

SELECT * FROM matchruns

WHERE wicket_id

IN (SELECT id FROM wickets WHERE dismissal = 'LBW')

Data Output Explain Messages Notifications









	match_id integer	team_id integer	player_id integer	runs integer	balls integer	fours integer	sixes integer	bowler_id integer	wicket_id integer	notes character varying (100)
1	1001	1	2104	1	7	0	0	2525	3	[null]
2	1001	1	2124	4	5	1	0	2513	3	[null]
3	1001	1	2122	10	5	2	0	2521	3	[null]
4	1003	7	2705	29	27	1	2	2802	3	[null]
5	1004	6	2610	10	8	1	0	2118	3	[null]
6	1005	4	2401	30	23	5	0	2522	3	[null]
7	1006	7	2714	0	3	0	0	2314	3	[null]
8	1006	7	2712	1	3	0	0	2317	3	[null]
9	1007	2	2205	35	27	3	1	2108	3	[null]
10	1007	1	2121	26	21	3	0	2223	3	[null]
11	1008	4	2401	0	3	0	0	2810	3	[null]
12	1011	2	2220	11	9	1	0	2815	3	[null]
13	1013	3	2311	7	8	1	0	2525	3	[null]
14	1015	7	2705	8	7	2	0	2622	3	[null]
15	1021	1	2124	50	40	6	1	2420	3	[null]
16	1022	8	2816	97	55	7	6	2315	3	[null]
17	1022	3	2314	0	1	0	0	2810	3	[null]
18	1026	6	2604	18	15	1	1	2810	3	[null]
19	1027	2	2202	15	15	3	0	2521	3	[null]
20	1033	6	2608	2	3	0	0	2721	3	[null]
21	1039	4	2401	4	14	0	0	2712	3	[null]
22	1041	1	2105	0	5	0	0	2513	3	[null]

--Show all match taken place at Abu Dhabi

SELECT * FROM match

WHERE venue_id

IN (SELECT id FROM venues WHERE city = 'Abu Dhabi')

Data Output		Explain	Messages	Notifications			
	id [PK] integer 	date date 	venue_id integer 	teama_id integer 	teamb_id integer 	winner integer 	potm integer 
1	1001	2020-09-19	3	5	1	1	2102
2	1005	2020-08-23	3	4	5	5	2501
3	1008	2020-09-26	3	4	8	4	2409
4	1011	2020-09-29	3	2	8	8	2810
5	1013	2020-10-01	3	3	5	5	2520
6	1015	2020-10-03	3	7	6	7	2712
7	1020	2020-10-06	3	5	6	5	2505
8	1021	2020-10-07	3	1	4	4	2413
9	1024	2020-10-10	3	3	4	4	2401
10	1027	2020-10-11	3	5	2	5	2518
11	1031	2020-10-15	3	3	7	3	2301
12	1032	2020-10-16	3	5	4	5	2518
13	1035	2020-10-18	3	8	4	4	2405
14	1037	2020-10-19	3	6	1	6	2617
15	1039	2020-10-21	3	4	7	7	2708
16	1042	2020-10-24	3	4	2	4	2422
17	1045	2020-10-25	3	6	5	6	2620
18	1048	2020-10-28	3	5	7	5	2505
19	1050	2020-10-30	3	6	3	6	2620
20	1053	2020-11-01	3	3	1	1	2105
21	1055	2020-11-02	3	7	2	2	2223
22	1058	2020-11-05	3	8	7	8	2821

-- Total number of runs made by each team throughout

SELECT teams.name AS teams,

(SELECT SUM(runs) FROM matchruns

WHERE teams.id = matchruns.team_id) AS runs

FROM teams

ORDER by runs DESC

	Data Output	Explain	Messages	Notifications
	<div> <div>teams</div> <div>character varying (50)</div> </div>		<div> <div>runs</div> <div>bigint</div> </div>	
1	Delhi Capitals		2777	
2	Mumbai Indians		2735	
3	Sunrisers Hyderabad		2529	
4	Kings XI Punjab		2335	
5	Rajasthan Royals		2288	
6	Royal Challengers Bangalore		2278	
7	Kolkata Knight Riders		2219	
8	Chennai Super Kings		2191	

--Runs made by each player compared to overall

```

SELECT p.name, SUM(runs) AS total_runs_per_test,
(SELECT SUM(runs) FROM matchruns) AS overall_AVG
FROM matchruns
JOIN players AS p
ON matchruns.player_id = p.id
JOIN match
ON matchruns.match_id = match.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY total_runs_per_test DESC
(Records

```

	Data Output	Explain	Messages	Notifications
	name character varying (50)	total_runs_per_test bigint	overall_avg bigint	
1	KL Rahul	670	19352	
2	Shikhar Dhawan	618	19352	
3	David Warner	548	19352	
4	Shreyas Iyer	519	19352	
5	Ishan Kishan	516	19352	
6	Quinton de Kock	503	19352	
7	Suryakumar Yadav	480	19352	
8	Devdutt Padikkal	473	19352	
9	Virat Kohli	466	19352	
10	AB de Villiers	454	19352	
11	Faf du Plessis	449	19352	
12	Shubman Gill	440	19352	
13	Manish Pandey	425	19352	
14	Mayank Agarwal	424	19352	
15	Eoin Morgan	418	19352	
16	Sanju Samson	375	19352	
17	Ambati Rayadu	359	19352	
18	Nicholas Pooran	353	19352	
19	Nitish Rana	352	19352	
20	Marcus Stoinis	352	19352	
21	Jonny Bairstow	345	19352	
22	Rishabh Pant	343	19352	

-- Run AVG from each stadium compared to overall

```

SELECT v.name AS venue, ROUND(AVG(runs),2) AS AVG,
(SELECT ROUND(AVG(runs), 2) FROM matchruns) AS overall_AVG
FROM matchruns
JOIN match AS m
ON matchruns.match_id = m.id
JOIN match
ON matchruns.match_id = match.id
JOIN venues AS v
ON m.venue_id = v.id
GROUP BY v.name

```

	Data Output	Explain	Messages	Notifications
	name character varying (50)	total_runs_per_test bigint	overall_avg bigint	
1	KL Rahul	670	19352	
2	Shikhar Dhawan	618	19352	
3	David Warner	548	19352	
4	Shreyas Iyer	519	19352	
5	Ishan Kishan	516	19352	
6	Quinton de Kock	503	19352	
7	Suryakumar Yadav	480	19352	
8	Devdutt Padikkal	473	19352	
9	Virat Kohli	466	19352	
10	AB de Villiers	454	19352	
11	Faf du Plessis	449	19352	
12	Shubman Gill	440	19352	
13	Manish Pandey	425	19352	
14	Mayank Agarwal	424	19352	
15	Eoin Morgan	418	19352	
16	Sanju Samson	375	19352	
17	Ambati Rayadu	359	19352	
18	Nicholas Pooran	353	19352	
19	Nitish Rana	352	19352	
20	Marcus Stoinis	352	19352	
21	Jonny Bairstow	345	19352	
22	Rishabh Pant	343	19352	

-- Number of runs scored by each team specifically via match
 SELECT teams.name AS team,
 (SELECT SUM(runs) FROM matchruns AS m
 WHERE teams.id = m.team_id AND match_id= 1006) AS runs
 FROM teams
 ORDER by runs

	Data Output	Explain	Messages	Notifications
	team character varying (50)	runs bigint		
1	Royal Challengers Bangalore	109		
2	Kings XI Punjab	206		
3	Kolkata Knight Riders	[null]		
4	Mumbai Indians	[null]		
5	Rajasthan Royals	[null]		
6	Chennai Super Kings	[null]		
7	Sunrisers Hyderabad	[null]		
8	Delhi Capitals	[null]		

--Number of runs made by each team vs overall

```
SELECT t.name AS team, SUM(runs) AS team_runs,  
(SELECT SUM(runs) FROM matchruns) AS runs  
FROM matchruns AS m  
JOIN teams AS t  
ON m.team_id = t.id  
GROUP BY t.name  
ORDER by team_runs DESC
```

	Data Output	Explain	Messages	Notifications
	team character varying (50)	team_runs bigint	runs bigint	
1	Delhi Capitals	2777	19352	
2	Mumbai Indians	2735	19352	
3	Sunrisers Hyderabad	2529	19352	
4	Kings XI Punjab	2335	19352	
5	Rajasthan Royals	2288	19352	
6	Royal Challengers Bangalore	2278	19352	
7	Kolkata Knight Riders	2219	19352	
8	Chennai Super Kings	2191	19352	

-- Number of runs made by each stadium

```
SELECT v.name,  
(SELECT SUM(runs) FROM matchruns  
WHERE m.id = matchruns.match_id) AS total_runs  
FROM match AS m  
JOIN venues AS v  
ON m.venue_id = v.id  
ORDER BY total_runs DESC  
OR  
SELECT v.name AS venue, SUM(runs) AS runs  
FROM matchruns m  
LEFT JOIN match  
ON m.match_id = match.id  
LEFT JOIN venues v  
ON match.venue_id = v.id  
GROUP BY v.name  
ORDER BY runs DESC
```

	Data Output	Explain	Messages	Notifications
	<div> <div></div> <div> name character varying (50) </div> <div></div> </div>		<div> <div></div> <div> total_runs bigint </div> <div></div> </div>	
1	Sharjah Cricket Stadium		449	
2	Sharjah Cricket Stadium		438	
3	Sharjah Cricket Stadium		416	
4	Dubai International Stadium		402	
5	Sheikh Zayed Stadium		391	
6	Sharjah Cricket Stadium		382	
7	Sheikh Zayed Stadium		371	
8	Sharjah Cricket Stadium		364	
9	Sheikh Zayed Stadium		361	
10	Dubai International Stadium		359	
11	Dubai International Stadium		356	
12	Dubai International Stadium		352	
13	Dubai International Stadium		350	
14	Dubai International Stadium		350	
15	Sheikh Zayed Stadium		348	
16	Dubai International Stadium		343	
17	Sheikh Zayed Stadium		341	
18	Sheikh Zayed Stadium		334	
19	Dubai International Stadium		333	
20	Dubai International Stadium		333	
21	Dubai International Stadium		331	
22	Sheikh Zayed Stadium		330	

	Data Output	Explain	Messages	Notifications
	<div> <div></div> <div> venue character varying (50) </div> <div></div> </div>		<div> <div></div> <div> runs bigint </div> <div></div> </div>	
1	Dubai International Stadium		8338	
2	Sheikh Zayed Stadium		7267	
3	Sharjah Cricket Stadium		3747	

COMMON TABLE EXPRESSIONS

--Number of players who reach half-centuries in each venue

```
WITH hc AS(  
SELECT match_id  
FROM matchruns WHERE runs >= 50)  
SELECT v.name, COUNT(h.match_id) AS half_century  
FROM match AS m  
LEFT JOIN venues AS v  
ON m.venue_id = v.id  
JOIN hc AS h  
ON h.match_id = m.id  
GROUP BY v.name  
ORDER BY half_century DESC
```

	Data Output	Explain	Messages	Notifications
	name character varying (50)		half_century bigint	
1	Dubai International Stadium		49	
2	Sheikh Zayed Stadium		43	
3	Sharjah Cricket Stadium		23	

```
WITH hc AS(  
SELECT match_id  
FROM matchruns WHERE runs >= 100)  
SELECT v.name, COUNT(h.match_id) AS century  
FROM match AS m  
LEFT JOIN venues AS v  
ON m.venue_id = v.id  
JOIN hc AS h  
ON h.match_id = m.id  
GROUP BY v.name  
ORDER BY century DESC
```

	Data Output	Explain	Messages	Notific
	name character varying (50)		century bigint	
1	Dubai International Stadium		2	
2	Sharjah Cricket Stadium		2	
3	Sheikh Zayed Stadium		1	

WINDOW FUNCTIONS

RANKINGS

--Rankings of Players scored the most runs in the Championship

```
SELECT p.name AS player, SUM(runs),  
RANK() OVER(ORDER BY SUM(runs)DESC) AS total_runs  
FROM matchruns AS m  
JOIN players AS p  
ON m.player_id = p.id  
WHERE runs IS NOT NULL  
GROUP BY p.name  
ORDER BY total_runs  
(134 records)
```

	player	sum	total_runs
	character varying (50)	bigint	bigint
1	KL Rahul	670	1
2	Shikhar Dhawan	618	2
3	David Warner	548	3
4	Shreyas Iyer	519	4
5	Ishan Kishan	516	5
6	Quinton de Kock	503	6
7	Suryakumar Yadav	480	7
8	Devdutt Padikkal	473	8
9	Virat Kohli	466	9
10	AB de Villiers	454	10
11	Faf du Plessis	449	11
12	Shubman Gill	440	12
13	Manish Pandey	425	13
14	Mayank Agarwal	424	14
15	Eoin Morgan	418	15
16	Sanju Samson	375	16
17	Ambati Rayadu	359	17
18	Nicholas Pooran	353	18
19	Nitish Rana	352	19
20	Marcus Stoinis	352	19
21	Jonny Bairstow	345	21
22	Rishabh Pant	343	22

--Number of balls bowled by each venue

```
SELECT v.name, SUM(balls) AS total_balls,  
RANK() OVER(ORDER BY SUM(balls)DESC) AS runs  
FROM matchruns AS m  
LEFT JOIN match  
ON m.match_id = match.id  
LEFT JOIN venues AS v  
ON match.venue_id = v.id  
GROUP BY v.name
```

	Data Output	Explain	Messages	Notifications
	name character varying (50)	total_balls bigint	runs bigint	
1	Dubai International Stadium	6133	1	
2	Sheikh Zayed Stadium	5385	2	
3	Sharjah Cricket Stadium	2542	3	

SLIDING FUNCTIONS

--Running total of runs

```

SELECT match_id, t.name AS team, p.name AS players, runs,
SUM(runs) OVER(ORDER BY match_id ROWS BETWEEN UNBOUNDED PRECEDING
AND CURRENT ROW) AS running_total
FROM matchruns AS m
LEFT JOIN teams AS t
ON m.team_id = t.id
LEFT JOIN players AS p
ON m.player_id = p.id
(1440 records)

```

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

	match_id integer	team character varying (50)	players character varying (50)	runs integer	running_total bigint
1	1001	Mumbai Indians	Rohit Sharma	12	12
2	1001	Mumbai Indians	Quinton de Kock	33	45
3	1001	Mumbai Indians	Suryakumar Yadav	17	62
4	1001	Mumbai Indians	Saurabh Tiwary	42	104
5	1001	Mumbai Indians	Hardik Pandya	14	118
6	1001	Mumbai Indians	Kieron Pollard	18	136
7	1001	Mumbai Indians	Krunal Pandya	3	139
8	1001	Mumbai Indians	James Pattinson	11	150
9	1001	Mumbai Indians	Rahul Chahar	2	152
10	1001	Mumbai Indians	Trent Boult	0	152
11	1001	Mumbai Indians	Jasprit Bumrah	5	157
12	1001	Mumbai Indians	[null]	5	162
13	1001	Chennai Super Kings	Murali Vijay	1	163
14	1001	Chennai Super Kings	Shane Watson	4	167
15	1001	Chennai Super Kings	Faf du Plessis	58	225
16	1001	Chennai Super Kings	Ambati Rayadu	71	296
17	1001	Chennai Super Kings	Ravindra Jadeja	10	306
18	1001	Chennai Super Kings	Sam Curran	18	324
19	1001	Chennai Super Kings	MS Dhoni	0	324
20	1001	Chennai Super Kings	Kedar Jadhav	[null]	324
21	1001	Chennai Super Kings	Deepak Chahar	[null]	324
22	1001	Chennai Super Kings	Divush Chawla	[null]	324

--Running average of runs

```

SELECT match_id, t.name AS team, p.name AS players, runs,
AVG(runs) OVER(ORDER BY match_id ROWS BETWEEN UNBOUNDED PRECEDING
AND CURRENT ROW) AS running_avg
FROM matchruns AS m
LEFT JOIN teams AS t
ON m.team_id = t.id
LEFT JOIN players AS p
ON m.player_id = p.id
WHERE runs IS NOT NULL

```

	Data Output	Explain	Messages	Notifications	
	<div>match_id</div> <div>integer</div>	<div>team</div> <div>character varying (50)</div>	<div>players</div> <div>character varying (50)</div>	<div>runs</div> <div>integer</div>	<div>running_avg</div> <div>numeric</div>
1	1001	Mumbai Indians	Rohit Sharma	12	12.0000000000000000
2	1001	Mumbai Indians	Quinton de Kock	33	22.5000000000000000
3	1001	Mumbai Indians	Suryakumar Yadav	17	20.6666666666666667
4	1001	Mumbai Indians	Saurabh Tiwary	42	26.0000000000000000
5	1001	Mumbai Indians	Hardik Pandya	14	23.6000000000000000
6	1001	Mumbai Indians	Kieron Pollard	18	22.6666666666666667
7	1001	Mumbai Indians	Krunal Pandya	3	19.8571428571428571
8	1001	Mumbai Indians	James Pattinson	11	18.7500000000000000
9	1001	Mumbai Indians	Rahul Chahar	2	16.8888888888888889
10	1001	Mumbai Indians	Trent Boult	0	15.2000000000000000
11	1001	Mumbai Indians	Jasprit Bumrah	5	14.2727272727272727
12	1001	Mumbai Indians	[null]	5	13.5000000000000000
13	1001	Chennai Super Kings	Murali Vijay	1	12.5384615384615385
14	1001	Chennai Super Kings	Shane Watson	4	11.9285714285714286
15	1001	Chennai Super Kings	Faf du Plessis	58	15.0000000000000000
16	1001	Chennai Super Kings	Ambati Rayadu	71	18.5000000000000000
17	1001	Chennai Super Kings	Ravindra Jadeja	10	18.0000000000000000
18	1001	Chennai Super Kings	Sam Curran	18	18.0000000000000000
19	1001	Chennai Super Kings	MS Dhoni	0	17.0526315789473684
20	1001	Chennai Super Kings	[null]	4	16.4000000000000000
21	1002	Delhi Capitals	Prithvi Shaw	5	15.8571428571428571
22	1002	Delhi Capitals	Shikhar Dhawan	0	15.1363636363636364

--Number of Overs played in a game

```

SELECT match_id, t.name, ROUND(SUM(balls/6.0), 2) AS overs
FROM matchruns m
JOIN teams t
ON m.team_id = t.id
WHERE runs IS NOT NULL
GROUP BY match_id, t.name
ORDER BY overs DESC
(120 records)

```

NOTE: Some records will show overs over 20. This is due to the total number of balls bowled including no balls (NB)

	Data Output	Explain	Messages	Notifications
	match_id integer	name character varying (50)	overs numeric	
1	1004	Rajasthan Royals	20.50	
2	1042	Delhi Capitals	20.33	
3	1044	Royal Challengers Bangalore	20.33	
4	1002	Delhi Capitals	20.33	
5	1019	Delhi Capitals	20.33	
6	1033	Rajasthan Royals	20.33	
7	1030	Delhi Capitals	20.33	
8	1003	Royal Challengers Bangalore	20.33	
9	1050	Kings XI Punjab	20.33	
10	1014	Sunrisers Hyderabad	20.33	
11	1023	Delhi Capitals	20.33	
12	1016	Kolkata Knight Riders	20.33	
13	1020	Mumbai Indians	20.33	
14	1059	Delhi Capitals	20.33	
15	1028	Royal Challengers Bangalore	20.17	
16	1015	Rajasthan Royals	20.17	
17	1035	Sunrisers Hyderabad	20.17	
18	1025	Royal Challengers Bangalore	20.17	
19	1030	Rajasthan Royals	20.17	
20	1017	Mumbai Indians	20.17	
21	1006	Kings XI Punjab	20.17	
22	1004	Chennai Super Kings	20.17	

--Run ranges by a player (David Warner)

```

WITH bins AS (
SELECT generate_series(0, 90, 10) AS lower,
generate_series(10, 100, 10) AS upper),
runs AS (SELECT player_id, runs FROM matchruns)
SELECT lower, upper, count(runs)
FROM bins
JOIN runs
ON runs >= lower
AND runs < upper
WHERE player_id = 2803
GROUP BY lower, upper
ORDER BY lower

```

	Data Output	Explain	Messages	Nc
	lower integer	upper integer	count bigint	
1	0	10	5	
2	10	20	1	
3	20	30	1	
4	30	40	2	
5	40	50	3	
6	50	60	1	
7	60	70	2	
8	80	90	1	

-- Number of balls within a range

```

WITH bins AS (
SELECT generate_series (0, 600, 50) AS lower,
generate_series (50, 650, 50) AS upper),
balls AS (
SELECT balls FROM matchruns)
SELECT lower, upper, COUNT(*)
FROM bins
JOIN balls
ON balls >= lower
AND balls < upper
GROUP BY lower, upper
ORDER BY lower

```

	Data Output	Explain	Messages	Notifications
	lower integer	upper integer	count bigint	
1	0	50	852	
2	50	100	31	

--Mean and Median of runs made per venue

```
SELECT v.name AS venue, ROUND(AVG(runs), 2) AS mean, percentile_disc(0.5)
WITHIN GROUP (ORDER BY runs) AS median_runs
FROM matchruns
LEFT JOIN match AS m
ON matchruns.match_id = m.id
LEFT JOIN venues AS v
ON m.venue_id = v.id
GROUP BY v.name
ORDER BY mean DESC
```

	Data Output	Explain	Messages	Notifications
	venue character varying (50)	mean numeric	median_runs integer	
1	Sharjah Cricket Stadium	20.04	10	
2	Sheikh Zayed Stadium	19.64	11	
3	Dubai International Stadium	18.70	11	

-- Mean and Median of runs made per player

```
SELECT p.name AS player, ROUND(AVG(runs), 2) AS mean, percentile_disc(0.5)
WITHIN GROUP (ORDER BY runs) AS median_runs
FROM matchruns AS m
LEFT JOIN players AS p
ON m.player_id = p.id
WHERE runs IS NOT NULL
GROUP BY p.name
ORDER BY mean DESC
(135 records)
```

	player character varying (50)	mean numeric	median_runs integer
1	Wridhiman Saha	53.50	39
2	KL Rahul	47.86	29
3	Chris Gayle	41.14	29
4	Ishan Kishan	39.69	33
5	Mayank Agarwal	38.55	26
6	Shikhar Dhawan	36.35	32
7	Ben Stokes	35.63	19
8	Faf du Plessis	34.54	25
9	David Warner	34.25	35
10	Ruturaj Gaikwad	34.00	5
11	Ambati Rayadu	32.64	38
12	AB de Villiers	32.43	28
13	Suryakumar Yadav	32.00	27
14	Devdutt Padikkal	31.53	32
15	Quinton de Kock	31.44	25
16	Shubman Gill	31.43	28
17	Jonny Bairstow	31.36	23
18	Virat Kohli	31.07	29
19	Shreyas Iyer	30.53	23
20	Eoin Morgan	29.86	30
21	Kane Williamson	28.82	22
22	Manish Pandey	28.33	26

-- Mean and Median of fours made per player

```

SELECT p.name AS player, ROUND(AVG(fours), 2) AS mean, percentile_disc(0.5)
WITHIN GROUP (ORDER BY fours) AS median_runs
FROM matchruns AS m
LEFT JOIN players AS p
ON m.player_id = p.id
WHERE fours IS NOT NULL
GROUP BY p.name
ORDER BY mean DESC
(134 records)

```


	Data Output	Explain	Messages	Notifications
	<div> <div>player</div> <div>character varying (50)</div> </div>	<div> <div>mean</div> <div>numeric</div> </div>	<div> <div>median_runs</div> <div>integer</div> </div>	
1	Wridhiman Saha	6.00	4	
2	Ben Stokes	4.50	2	
3	KL Rahul	4.14	3	
4	Suryakumar Yadav	4.07	4	
5	Mayank Agarwal	4.00	4	
6	Shikhar Dhawan	3.94	3	
7	Devdutt Padikkal	3.40	2	
8	David Warner	3.25	3	
9	Faf du Plessis	3.23	3	
10	Shubman Gill	3.14	3	
11	Nitish Rana	3.07	1	
12	Shane Watson	3.00	1	
13	Quinton de Kock	2.88	3	
14	Jonny Bairstow	2.82	2	
15	Ishan Kishan	2.77	2	
16	Ambati Rayadu	2.73	3	
17	Ruturaj Gaikwad	2.67	0	
18	AB de Villiers	2.36	1	
19	Kane Williamson	2.36	1	
20	Shreyas Iyer	2.35	1	
21	Aaron Finch	2.33	2	
22	Manish Pandey	2.33	3	

MISCELLANEOUS

--StrikeRates for each player

```

SELECT p.name, (SUM(runs)/NULLIF(SUM(balls), 0.0)* 100) AS SR
FROM matchruns m
JOIN players p
ON m.player_id = p.id
WHERE runs IS NOT NULL
AND runs != 0
GROUP BY p.name
ORDER BY SR DESC
(124 records)

```

	name character varying (50)	sr numeric
1	Kieron Pollard	194.2028985507246400
2	Hardik Pandya	181.2903225806451600
3	Jofra Archer	179.3650793650793700
4	Chris Morris	178.9473684210526300
5	Tushar Deshpande	175.0000000000000000
6	Nicholas Pooran	172.1951219512195100
7	Ravindra Jadeja	171.8518518518518500
8	Abdul Samad	170.7692307692307700
9	Jasprit Bumrah	166.6666666666666700
10	Nathan Coulter-Nile	166.6666666666666700
11	Sanju Samson	163.0434782608695700
12	AB de Villiers	159.8591549295774600
13	Mayank Agarwal	156.4575645756457600
14	Krishnappa Gowtham	155.5555555555555600
15	Isuru Udana	150.0000000000000000
16	Dhawal Kulkarni	150.0000000000000000
17	Sunil Narine	149.3827160493827200
18	Marcus Stoinis	149.1525423728813600
19	Lockie Ferguson	148.2758620689655200
20	Shimron Heymyer	148.0000000000000000
21	Suryakumar Yadav	147.6923076923076900
22	Shikhar Dhawan	147.1428571428571400

--Number of Player of the Match Awards

```

SELECT p.name playerofthematch, COUNT(*)
FROM match
JOIN players AS p
ON match.potm = p.id
GROUP BY p.name
ORDER BY COUNT(*) DESC

```

Data Output Explain Messages Notes

	playerofthematch character varying (50)	count bigint
1	Trent Boult	3
2	KL Rahul	3
3	AB de Villiers	3
4	Ruturaj Gaikwad	3
5	Quinton de Kock	2
6	Shikhar Dhawan	2
7	Anrich Nortje	2
8	Suryakumar Yadav	2
9	Yuzvendra Chahal	2
10	Marcus Stoinis	2
11	Sanju Samson	2
12	Ben Stokes	2
13	Rahul Tripathi	1
14	Mohammaed Siraj	1
15	Kieron Pollard	1
16	Shubman Gill	1
17	Varun Chakaravarthy	1
18	Pat Cummins	1
19	Axar Patel	1
20	Shreyas Iyer	1
21	Manish Pandey	1
22	Wridhiman Saha	1