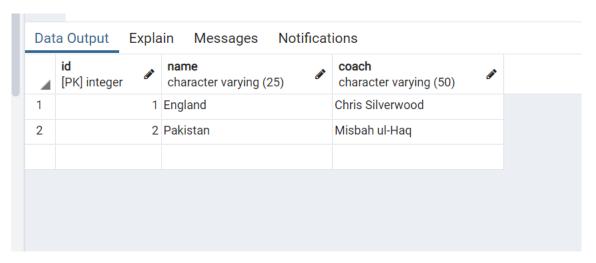
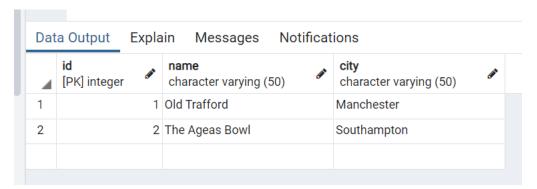
ENGPAK series

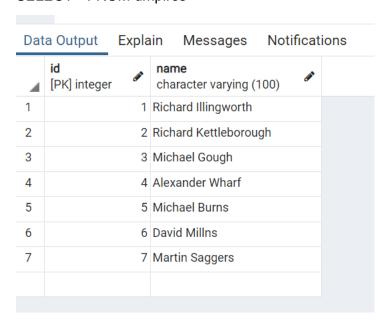
SELECT * FROM teams



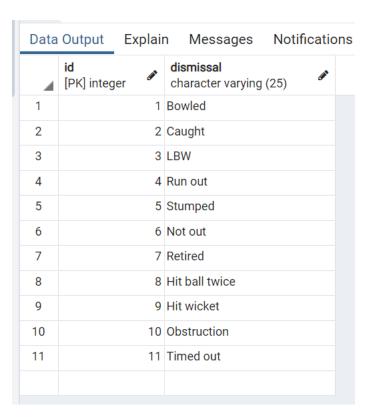
SELECT * FROM venues



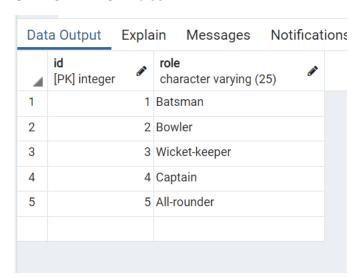
SELECT * FROM umpires



SELECT * FROM wickets



SELECT * FROM roles



SELECT * FROM players

(52 records)

Data	Output Explain	n Messages Notification	ons	
4	id [PK] integer	name character varying (50)	role_id integer	team_id integer
1	2001	Joe Root	4	1
2	2002	James Anderson	2	1
3	2003	Jofra Archer	2	1
4	2004	Dom Bess	2	1
5	2005	Stuart Broad	2	1
6	2006	Rory Burns	1	1
7	2007	Jos Buttler	3	1
8	2008	Sam Curran	5	1
9	2009	Zak Crawley	1	1
10	2010	Ollie Pope	1	1
11	2011	Dom Sibley	1	1
12	2012	Ben Stokes	5	1
13	2013	Chris Woakes	2	1
14	2101	Eoin Morgan	4	1
15	2102	Moeen Ali	5	1
16	2103	Jonny Bairstow	3	1
17	2104	Tom Banton	1	1
18	2105	Sam Billings	1	1
19	2106	Tom Curran	2	1
20	2107	Joe Denly	1	1
21	2108	Lewis Gregory	1	1

SELECT * FROM match

4	id [PK] integer	ø	start_date date	S	end_date date	S	format_id integer	1	venue_id integer	teama_id integer	teamb_id integer	ø	umpire1_id integer	umpire2_id integer	winner integer	potm integer
		1001	2020-08-05		2020-08-08			1	1	1		2	1	2	1	20
2		1002	2020-08-13		2020-08-17			1	2	1		2	2	3	[null]	22
3		1003	2020-08-21		2020-08-25			1	2	1		2	1	3	[null]	20
1		1004	2020-08-28		2020-08-28			2	1	1		2	4	5	[null]	[nu
5		1005	2020-08-30		2020-08-30			2	1	1		2	7	6	1	21
5		1006	2020-09-01		2020-09-01			2	1	1		2	5	6	2	23

SELECT * FROM matchruns

(216 records)

4	match_id integer	team_id integer	innings integer	player_id integer	runs integer	balls integer	fours integer	sixes integer	bowler_id integer	wicket_id integer	notes character varying (100)
1	1001	2	1	2208	156	319	18	2	2005	3	[null]
2	1001	2	1	2205	16	37	2	0	2003	1	[null]
3	1001	2	1	2201	0	6	0	0	2013	3	[null]
4	1001	2	1	2206	69	106	11	0	2002	2	Caught by Joe Root
5	1001	2	1	2211	7	22	1	0	2005	2	Caught by Ben Stokes
б	1001	2	1	2209	9	41	0	0	2013	2	Caught by Jos Buttler
7	1001	2	1	2207	45	76	3	0	2004	2	Caught by Joe Root
В	1001	2	1	2210	5	25	0	0	2003	3	[null]
9	1001	2	1	2202	0	1	0	0	2003	2	Caught by Joe Root
0	1001	2	1	2203	9	18	2	0	[null]	6	[null]
1	1001	2	1	2212	0	8	0	0	2005	2	Caught by Jos Buttler
2	1001	2	1	[null]	10	[null]	[null]	[null]	[null]	[null]	[null]
3	1001	1	1	2006	4	4	1	0	2203	3	[null]
4	1001	1	1	2011	8	8	1	0	2202	3	[null]
5	1001	1	1	2001	14	58	2	0	2210	2	Caught by Mohammad Rizwa
6	1001	1	1	2012	0	7	0	0	2202	1	[null]
7	1001	1	1	2010	62	117	8	0	2212	2	Caught by Shadab Khan
8	1001	1	1	2007	38	108	5	0	2210	1	[null]
9	1001	1	1	2013	19	48	2	0	2210	1	[null]
0	1001	1	1	2004	1	12	0	0	2210	2	Caught by Asad Shafiq
21	1001	1	1	2003	16	33	1	0	2207	2	Caught by Mohammad Rizw

WHERE

--Number of runs scored in both innings of England vs Pakistan Series

SELECT match_id, team_id, innings, SUM(runs)

FROM matchruns

WHERE match_id = 1001

GROUP BY match_id, team_id, innings

ORDER BY match_id, innings

Dat	a Output	Exp	olain M	Notifications				
4	match_id integer	<u></u>	team_id integer		innings integer		sum bigint	<u></u>
1		1001		1		1		219
2		1001		2		1		326
3		1001		2		2		169
4		1001		1		2		277

--Matches that took place at Old Trafford

SELECT * FROM match

JOIN venues

ON match.venue_id = venues.id

WHERE name = 'Old Trafford'



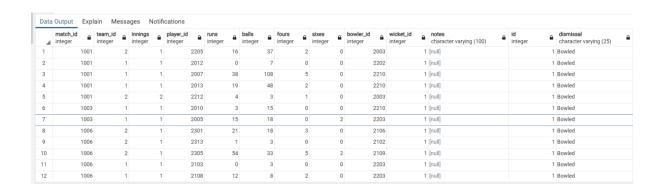
--Which players were out via Bowled

SELECT * FROM matchruns

JOIN wickets

ON matchruns.wicket_id = wickets.id

WHERE dismissal = 'Bowled'



--Number of stumps/catches made by Mohammad Rizwan

SELECT * FROM matchruns

WHERE notes LIKE '%Rizwan%'

Dat	ta Output Ex	plain Mes	sages	Not	ifications							
4	match_id integer	team_id integer	innings integer	<u></u>	player_id integer	runs integer	balls integer	fours integer	sixes integer	bowler_id integer	wicket_id integer	notes character varying (100)
1	1001		1	1	200	1 14	1 58	2	0	2210	2	Caught by Mohammad Rizwan
2	1001		1	1	200	3 16	5 33	1	0	2207	2	Caught by Mohammad Rizwan
3	1001		1	2	201	2	20	2	0	2210	2	Caught by Mohammad Rizwan
4	1002		1	1	201	1 33	2 95	3	0	2202	2	Caught by Mohammad Rizwan
5	1003		1	1	200	9 26	7 393	34	1	2211	5	Stumped by Mohammad Rizwan
6	1003		1	1	200	1 29	51	3	0	2212	2	Caught by Mohammad Rizwan
7	1004		1	1	210	2 8	3 7	1	0	2207	2	Caught by Mohammad Rizwan
8	1004		1	1	210	8	2 3	0	0	2312	5	Stumped by Mohammad Rizwan

AGGREGATE FUNCTIONS

COUNT

-- Players with the most wickets in the whole series

SELECT p.name, COUNT(*) AS wickets

FROM matchruns

JOIN players AS p

ON matchruns.bowler_id = p.id

GROUP BY p.name

ORDER BY wickets DESC

(23 records)

Data	Output	Explain	Messa	iges	Notifica
4	name character	varying (50)	<u></u>	wicket bigint	s 🔒
1	Stuart Broa	ad			13
2	James And	derson			11
3	Yasir Shah				11
4	Shaheen A	fridi			7
5	Shadab Kh	an			7
6	Chris Woal	kes			6
7	Mohamma	d Abbas			5
8	Jofra Arch	er			4
9	Imad Wasi	m			3
10	Haris Rauf				3
11	Dom Bess				3
12	Chris Jorda	an			3
13	Naseem Sl	hah			3
14	Fawad Ala	m			2
15	Adil Rashio	d			2
16	Ben Stokes	5			2
17	Wahab Ria	Z			2
18	Tom Curra	n			2
19	Sam Curra	n			1
20	Iftikhar Ah	med			1
21	Joe Root				1

-- Players with the most wickets in test matches

SELECT p.name, COUNT(*) AS wickets

FROM matchruns

JOIN players AS p

ON matchruns.bowler_id = p.id

WHERE match_id BETWEEN 1001 AND 1003

GROUP BY p.name

ORDER BY wickets DESC



-- Players with the most wickets in T20 matches

SELECT p.name, COUNT(*) AS wickets

FROM matchruns

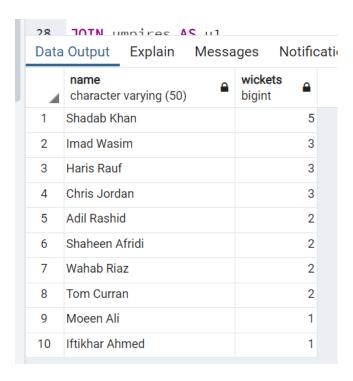
JOIN players AS p

ON matchruns.bowler_id = p.id

WHERE match_id BETWEEN 1004 AND 1006

GROUP BY p.name

ORDER BY wickets DESC



-- Matches that were umpired by Richard Kettleborough

SELECT * FROM match

JOIN umpires AS u1

ON match.umpire1_id = u1.id

JOIN umpires AS u2

ON match.umpire2_id = u2.id

WHERE u1.name = 'Richard Kettleborough'

OR u2.name = 'Richard Kettleborough'



--Number of innings played by each player during the series

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

(46 records)

Data	Output Explain Mess	ages Notifications
4	name character varying (50)	innings bigint
1	Babar Azam	9
2	Shaheen Afridi	9
3	Mohammad Rizwan	8
4	Yasir Shah	6
5	Chris Woakes	6
6	Mohammad Abbas	6
7	Shan Masood	6
8	James Anderson	6
9	Dom Sibley	6
10	Naseem Shah	6
11	Rory Burns	6
12	Azhar Ali	6
13	Abid Ali	6
14	Stuart Broad	6
15	Ollie Pope	6
16	Joe Root	6
17	Dom Bess	6
18	Asad Shafiq	6
19	Jos Buttler	6
20	Shadab Khan	5
21	Jofra Archer	4

--Number of ducks made in a match

SELECT match_id, p.name, innings, 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 match_id, innings, p.name, runs

ORDER BY match_id, COUNT(*) DESC

)ata	Output	Expl	ain Messages Notifica	tions		
4	match_id integer		name character varying (50)	innings integer	runs integer	ducks bigint
1		1001	Shan Masood	2	0	1
2		1001	Ben Stokes	1	0	1
3		1001	Azhar Ali	1	0	1
4		1001	Naseem Shah	1	0	1
5		1001	Mohammad Abbas	1	0	1
6		1002	Shaheen Afridi	1	0	1
7		1002	Rory Burns	1	0	1
8		1002	Fawad Alam	1	0	1
9		1003	Naseem Shah	1	0	1
10		1006	Jonny Bairstow	1	0	1

<u>SUM</u>

-- Players with the most runs during the series

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

GROUP BY p.name

ORDER BY total_runs DESC

(40 records)

4	name character varying (50)	total_runs bigint	
1	Zak Crawley	320	
2	Babar Azam	272	
3	Jos Buttler	265	
4	Azhar Ali	210	
5	Shan Masood	179	
6	Mohammad Rizwan	161	
7	Mohammad Hafeez	155	
8	Chris Woakes	143	
9	Abid Ali	139	
10	Tom Banton	137	
11	Dom Sibley	98	
12	Joe Root	94	
13	Eoin Morgan	90	
14	Dawid Malan	84	
15	Ollie Pope	81	
16	Shadab Khan	75	
17	Moeen Ali	70	
18	Asad Shafiq	67	
19	Yasir Shah	63	
20	Haider Ali	54	
21	Stuart Broad	51	

-- Players with the most runs during test

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 1003

GROUP BY p.name

Data	Output Explain M	lessa	ges	Notificat	ions
4	name character varying (50)	<u></u>	total_rubigint	uns 🔒	
1	Zak Crawley			320	
2	Jos Buttler			265	
3	Azhar Ali			210	
4	Babar Azam			195	
5	Shan Masood			179	
6	Mohammad Rizwan			161	
7	Chris Woakes			143	
8	Abid Ali			139	
9	Dom Sibley			98	
10	Joe Root			94	
11	Ollie Pope			81	
12	Asad Shafiq			67	
13	Yasir Shah			63	
14	Shadab Khan			60	
15	Stuart Broad			51	
16	Dom Bess			28	
17	Fawad Alam			21	
18	Rory Burns			20	
19	Jofra Archer			16	
20	Shaheen Afridi			14	
21	Ben Stokes			9	

-- Players with the most runs during T20

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 1004 AND 1006

GROUP BY p.name

	name	total_runs	
	character varying (50)	bigint	
1	Mohammad Hafeez		155
2	Tom Banton		137
3	Eoin Morgan		90
4	Dawid Malan		84
5	Babar Azam		77
6	Moeen Ali		70
7	Haider Ali		54
8	Jonny Bairstow		46
9	Sam Billings		39
10	Fakhar Zaman		37
11	Shadab Khan		15
12	Shoaib Malik		14
13	Lewis Gregory		14
14	Tom Curran		8
15	Iftikhar Ahmed		8
16	Imad Wasim		6
17	Chris Jordan		3
18	Adil Rashid		3

-- Players with the most runs in an inning

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

a Output	Expl	ain Messages	Notifica	tions	
match_id integer	<u></u>	name character varying (50	0)	total_runs bigint	•
	1003	Zak Crawley			267
	1003	Azhar Ali			172
	1001	Shan Masood			156
	1003	Jos Buttler			152
	1001	Jos Buttler			113
	1001	Chris Woakes			103
	1006	Mohammad Hafeez			86
	1003	Babar Azam			74
	1001	Babar Azam			74
	1002	Mohammad Rizwan			72
	1004	Tom Banton			71
	1001	Ollie Pope			69
	1005	Mohammad Hafeez			69
	1005	Eoin Morgan			66
	1006	Moeen Ali			61
	1002	Abid Ali			60
	1001	Shadab Khan			60
	1005	Babar Azam			56
	1001	Joe Root			56
	1005	Dawid Malan			54
	1006	Haider Ali			54

--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

4	name character varying (50)	a total_balls bigint	
1	Jos Buttler		533
2	Azhar Ali		531
3	Zak Crawley		492
1	Babar Azam		433
5	Shan Masood		411
5	Abid Ali		363
7	Mohammad Rizwan		336
3	Dom Sibley		264
)	Joe Root		228
0	Chris Woakes		222
1	Ollie Pope		166
2	Asad Shafiq		145
3	Shadab Khan		109
4	Yasir Shah		89
5	Tom Banton		89
6	Mohammad Hafeez		88
7	Fawad Alam		87
8	Dawid Malan		67
9	Shaheen Afridi		56
0	Stuart Broad		52
1	Rory Burns		49

--Most Boundaries by a player in Test

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

AND match_id BETWEEN 1001 AND 1003

GROUP BY p.name

ORDER BY total_boundaries DESC

Data	Output Explain	Messa	ages Notifications
_	name character varying (50)	<u> </u>	total_boundaries bigint
1	Zak Crawley		42
2	Jos Buttler		28
3	Azhar Ali		27
4	Babar Azam		23
5	Shan Masood		22
6	Chris Woakes		17
7	Mohammad Rizwan		15
8	Abid Ali		14
9	Joe Root		12
10	Ollie Pope		10
11	Dom Sibley		9
12	Yasir Shah		9
13	Stuart Broad		8
14	Asad Shafiq		5
15	Shadab Khan		5
16	Dom Bess		3
17	Rory Burns		3
18	Shaheen Afridi		2
19	Ben Stokes		2
20	James Anderson		1
21	Jofra Archer		1

--Most Boundaries by a player in T20

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

AND match_id BETWEEN 1004 AND 1006

GROUP BY p.name

ORDER BY total_boundaries DESC

Data	Output Explain Messa	iges Notifications
4	name character varying (50)	total_boundaries bigint □
1	Mohammad Hafeez	19
2	Tom Banton	18
3	Eoin Morgan	13
4	Babar Azam	10
5	Dawid Malan	10
6	Moeen Ali	9
7	Haider Ali	7
8	Jonny Bairstow	6
9	Fakhar Zaman	6
10	Sam Billings	5
11	Lewis Gregory	2
12	Shadab Khan	2
13	Shoaib Malik	1
14	Tom Curran	1
15	Adil Rashid	0
16	Chris Jordan	0
17	Iftikhar Ahmed	0
18	Imad Wasim	0

MAX

-- 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

	Output Explain Messa	ages Notification
4	name character varying (50)	maxruns integer
1	Zak Crawley	267
2	Shan Masood	156
3	Jos Buttler	152
4	Azhar Ali	141
5	Mohammad Hafeez	86
6	Chris Woakes	84
7	Mohammad Rizwan	72
8	Tom Banton	71
9	Babar Azam	69
10	Eoin Morgan	66
11	Ollie Pope	62
12	Moeen Ali	61
13	Abid Ali	60
14	Dawid Malan	54
15	Haider Ali	54
16	Shadab Khan	45
17	Jonny Bairstow	44
18	Joe Root	42
19	Dom Sibley	36
20	Fakhar Zaman	36
21	Yasir Shah	33

<u>JOINS</u>

--Scorecard

SELECT match_id, t.name, innings, 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

(216 records)

match_id integer		name character varying (25)	nnings nteger			runs integ	er 🖴	balls integer		fours integer	sixes integ		name character varying (50)	dismissal character varying (25)	notes character varying (100)
10	001	Pakistan		1 S	Shan Masood		156		319	18			2 Stuart Broad	LBW	[null]
10	001	Pakistan		1 A	Abid Ali		16		37	2			0 Jofra Archer	Bowled	[null]
10	001	Pakistan		1 A	Azhar Ali		0		6	(0 Chris Woakes	LBW	[null]
10	001	Pakistan		1 B	Babar Azam		69		106	11			0 James Anderson	Caught	Caught by Joe Root
10	001	Pakistan		1 A	Asad Shafiq		7		22	1			0 Stuart Broad	Caught	Caught by Ben Stokes
10	001	Pakistan		1 N	Mohammad Rizwan		9		41	(0 Chris Woakes	Caught	Caught by Jos Buttler
10	001	Pakistan		1 S	Shadab Khan		45		76	3			0 Dom Bess	Caught	Caught by Joe Root
10	001	Pakistan		1 Y	asir Shah		5		25	(0 Jofra Archer	LBW	[null]
10	001	Pakistan		1 N	Mohammad Abbas		0		1	(0 Jofra Archer	Caught	Caught by Joe Root
10	001	Pakistan		1 S	Shaheen Afridi		9		18	2			0 [null]	Not out	[null]
10	001	Pakistan		1 N	Naseem Shah		0		8	(0 Stuart Broad	Caught	Caught by Jos Buttler
10	001	Pakistan		1 [r	null]		10	[1	null]	[null		[nul	[] [null]	[null]	[null]
10	001	England		1 R	Rory Burns		4		4	1			0 Shaheen Afridi	LBW	[null]
10	001	England		1 D	Oom Sibley		8		8	1			0 Mohammad Abbas	LBW	[null]
10	001	England		1 J	loe Root		14		58	2			0 Yasir Shah	Caught	Caught by Mohammad Rizwan
10	001	England		1 B	Ben Stokes		0		7	(0 Mohammad Abbas	Bowled	[null]
10	001	England		1 0	Ollie Pope		62		117	8			0 Naseem Shah	Caught	Caught by Shadab Khan
10	001	England		1 J	los Buttler		38		108				0 Yasir Shah	Bowled	[null]
10	001	England		1 C	Chris Woakes		19		48	2			0 Yasir Shah	Bowled	[null]
10	001	England		1 D	Oom Bess		1		12	(0 Yasir Shah	Caught	Caught by Asad Shafiq
10	001	England		1 J	Jofra Archer		16		33	1			0 Shadab Khan	Caught	Caught by Mohammad Rizwan

--Best bowling figures in an innings

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

FROM matchruns

JOIN players AS p

ON matchruns.bowler_id = p.id

GROUP BY match_id, innings, p.name

ORDER BY wickets DESC

Data	Output	Expl	ain Messages	Notifica	tions	
4	match_id integer		name character varying (50))	innings integer	wickets bigint
1		1003	James Anderson		1	5
2		1001	Yasir Shah		2	4
3		1002	Stuart Broad		1	4
4		1001	Yasir Shah		1	4
5		1005	Shadab Khan		1	3
6		1001	Stuart Broad		2	3
7		1001	Jofra Archer		1	3
8		1001	Stuart Broad		1	3
9		1002	James Anderson		1	3
10		1005	Adil Rashid		1	2
11		1001	Ben Stokes		2	2
12		1003	Stuart Broad		1	2
13		1006	Wahab Riaz		1	2
14		1001	Chris Woakes		2	2
15		1004	Imad Wasim		1	2
16		1003	James Anderson		2	2
17		1003	Fawad Alam		1	2
18		1003	Shaheen Afridi		1	2
19		1001	Chris Woakes		1	2
20		1006	Shaheen Afridi		1	2
21		1003	Yasir Shah		1	2

CASE STATEMENT

-- Outcomes with each player batting (CASE STATEMENT)

SELECT match_id, team_id, innings, 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

4	match_id integer	team_id integer	innings integer	player_id integer	runs integer	balls integer	outcome text
1	1001	2	1	2208	156	_	Century
2	1001	2	1	2205	16	37	Howzat!
3	1001	2	1	2201	0	6	Duck!
4	1001	2	1	2206	69	106	Half Century
5	1001	2	1	2211	7	22	Howzat!
6	1001	2	1	2209	9	41	Howzat!
7	1001	2	1	2207	45	76	Howzat!
8	1001	2	1	2210	5	25	Howzat!
9	1001	2	1	2202	0	1	Duck!
10	1001	2	1	2203	9	18	Howzat!
11	1001	2	1	2212	0	8	Duck!
12	1001	2	1	[null]	10	[null]	Howzat!
13	1001	1	1	2006	4	4	Howzat!
14	1001	1	1	2011	8	8	Howzat!
15	1001	1	1	2001	14	58	Howzat!
16	1001	1	1	2012	0	7	Duck!
17	1001	1	1	2010	62	117	Half Century
18	1001	1	1	2007	38	108	Howzat!
19	1001	1	1	2013	19	48	Howzat!
20	1001	1	1	2004	1	12	Howzat!
21	1001	1	1	2003	16	33	Howzat!

--Total number of runs made in the tournament so far

SELECT

CASE WHEN team_id = 1 THEN 'England'

ELSE 'Pakistan'

END AS team,

SUM(runs) AS total_runs

FROM matchruns

GROUP BY team



SUBQUERIES

--Semi Scorecard for matches taken place at Old Trafford (Semi Join)

SELECT m.match_id, innings, player_id , runs, balls, bowler_id, wicket_id

FROM matchruns AS m

WHERE match_id IN (SELECT id FROM match

WHERE venue_id = 1)

ORDER BY m.match_id

(120 records)

	Output Expla			ions			
4	match_id integer	innings integer	player_id integer	runs integer	balls integer	bowler_id integer	wicket_id integer
1	1001	1	2208	156	319	2005	3
2	1001	1	2205	16	37	2003	1
3	1001	1	2201	0	6	2013	3
4	1001	1	2206	69	106	2002	2
5	1001	1	2211	7	22	2005	2
6	1001	1	2209	9	41	2013	2
7	1001	1	2207	45	76	2004	2
8	1001	1	2210	5	25	2003	3
9	1001	1	2202	0	1	2003	2
10	1001	1	2203	9	18	[null]	6
11	1001	1	2212	0	8	2005	2
12	1001	1	[null]	10	[null]	[null]	[null]
13	1001	1	2006	4	4	2203	3
14	1001	1	2011	8	8	2202	3
15	1001	1	2001	14	58	2210	2
16	1001	1	2012	0	7	2202	1
17	1001	1	2010	62	117	2212	2
18	1001	1	2007	38	108	2210	1
19	1001	1	2013	19	48	2210	1
20	1001	1	2004	1	12	2210	2
21	1001	1	2003	16	33	2207	2

--Semi Scorecard for matches taken place with Richard Illingworth as the Umpire (Semi Join)

SELECT m.match_id, innings, player_id , runs, balls, bowler_id, wicket_id

FROM matchruns AS m

WHERE match_id IN (SELECT id FROM match

WHERE umpire1_id = 1 OR umpire2_id = 1)

ORDER BY m.match_id

4	match_id integer	innings integer	player_id integer □	runs integer	balls integer	bowler_id integer	wicket_id integer
1	100	1 1	2208	156	319	2005	3
2	100	1 1	2205	16	37	2003	1
3	100	1 1	2201	0	6	2013	3
4	100	1 1	2206	69	106	2002	2
5	100	1 1	2211	7	22	2005	2
6	100	1 1	2209	9	41	2013	2
7	100	1 1	2207	45	76	2004	2
8	100	1 1	2210	5	25	2003	3
9	100	1 1	2202	0	1	2003	2
10	100	1 1	2203	9	18	[null]	6
11	100	1 1	2212	0	8	2005	2
12	100	1 1	[null]	10	[null]	[null]	[null]
13	100	1 1	2006	4	4	2203	3
14	100	1 1	2011	8	8	2202	3
15	100	1 1	2001	14	58	2210	2
16	100	1 1	2012	0	7	2202	1
17	100		2010	62	117	2212	2
18	100	1 1	2007	38	108	2210	1
19	100	1 1	2013	19	48	2210	1
20	100	1 1	2004	1	12	2210	2
21	100	1 1	2003	16	33	2207	2

FROM

-- Number of wickets taken per venue (Stuart Broad)

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

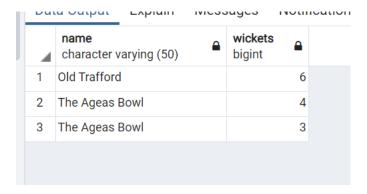
JOIN players AS p

ON matchruns.bowler_id = p.id

WHERE p.name = 'Stuart Broad'

GROUP BY match_id, p.name) AS subquery

WHERE match.id = subquery.match_id



--Number of runs made per venue (Babar Azam)

SELECT v.name, subquery.total_runs

FROM match

JOIN venues AS v

ON match.venue_id = v.id,

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

FROM matchruns

JOIN players AS p

ON matchruns.player_id = p.id

WHERE p.name = 'Babar Azam'

GROUP BY match_id, p.name) AS subquery

WHERE match.id = subquery.match_id

1 Old Trafford 7. 2 The Ageas Bowl 4 3 The Ageas Bowl 7.
3 The Ageas Bowl 74
<u> </u>
4 Old Trafford [nul
5 Old Trafford 5
6 Old Trafford 2

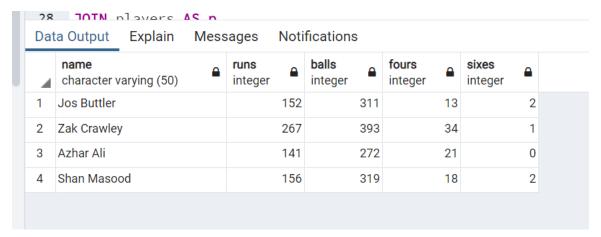
--Players who score more than 100 runs in the series

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



WHERE

-- Show all scores where Pakistan won

SELECT * FROM matchruns

WHERE match_id

IN (SELECT id FROM match WHERE winner = 2)

natch_id nteger		team_id integer		innings integer		player_id integer	runs integer	balls integer		fours integer	sixes integer	<u></u>	bowler_id integer	wicket_id integer	notes character varying (100)
10	006	2	2		1	2301	21		18	3		0	2106	1	[null]
10	006	2	2		1	2313	1		3	0		0	2102	1	[null]
10	006		2		1	2305	54		33	5		2	2109	1	[null]
10	006	2	2		1	2306	86		52	4		6	[null]	6	[null]
10	006	2	2		1	2207	15		11	2		0	2109	2	Caught by Tom Curran
10	006	2	2		1	2312	6		4	0		0	[null]	6	[null]
10	006	2	2		1	2308	[null]		null]	[null]	[n	ull]	[null]	[null]	Innings close at 190-4
10	006	2	2		1	2302	[null]		null]	[null]	[n	ull]	[null]	[null]	Innings close at 190-4
10	006	2	2		1	2309	[null]		null]	[null]	[n	ull]	[null]	[null]	Innings close at 190-4
10	006	2	2		1	2203	[null]		null]	[null]	[n	ull]	[null]	[null]	Innings close at 190-4
10	006	2	2		1	2310	[null]		null]	[null]	[n	ull]	[null]	[null]	Innings close at 190-4
10	006	2	2		1	[null]	7		null]	[null]	[n	ull]	[null]	[null]	[null]
10	006	1	1		1	2104	46		31	8		0	2310	3	[null]
10	006	1	1		1	2103	0		3	0		0	2203	1	[null]
10	006	1	1		1	2111	7		8	1		0	2312	2	Caught by Fakhar Zaman
10	006	1	1		1	2101	10		5	0		1	[null]	4	[null]
10	006	1	1		1	2102	61		33	4		4	2309	2	Caught by Wahab Riaz
10	006	1	1		1	2105	26		24	2		1	2309	2	Caught by Imad Wasim
10	006		1		1	2108	12		8	2		0	2203	1	[null]
10	006		1		1	2109	1		2	0		0	[null]	4	[null]
10	006		1		1	2106	8		5	0		1	[null]	6	[null]

--Show all LBW dismissals

SELECT * FROM matchruns

WHERE wicket_id

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

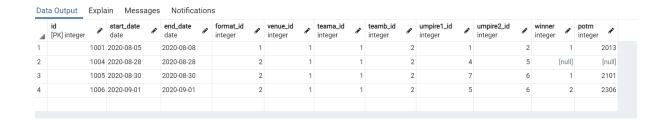
4	match_id integer	team_id integer		innings integer	<u></u>	player_id integer	runs integer		balls integer	fours integer		sixes integer	<u></u>	bowler_id integer	wicket_id integer	notes character varying (100)
1	1001		2		1	2208	3	156	319		18		2	2005	;	3 [null]
2	1001		2		1	220		0	6		0		0	2013	;	3 [null]
3	1001		2		1	2210)	5	25		0		0	2003	:	3 [null]
4	1001		1		1	2006	ò	4	4		1		0	2203	;	3 [null]
5	1001		1		1	201		8	8		1		0	2202	:	3 [null]
6	1001		1		1	2002	2	7	11		1		0	2207	;	3 [null]
7	1001		2		2	220		18	54		3		0	2013	;	3 [null]
8	1001		2		2	2209)	27	43		2		0	2012	;	3 [null]
9	1001		2		2	220	,	15	22		2		0	2005	;	3 [null]
10	1001		1		2	2006	ò	10	28		1		0	2202	;	3 [null]
11	1001		1		2	2007	7	75	101		7		1	2210	;	3 [null]
12	1001		1		2	200	i	7	9		1		0	2210	:	3 [null]
13	1002		2		1	2208	3	1	5		0		0	2002	:	3 [null]
14	1002		2		1	2204	1	0	4		0		0	2013	;	3 [null]
15	1002		2		1	2202	2	2	20		0		0	2005	;	3 [null]
16	1002		1		1	2009)	53	99		7		0	2202	;	3 [null]
17	1002		1		1	2010)	9	16		1		0	2210	;	3 [null]
18	1003		1		1	201		22	47		1		0	2210		3 [null]
19	1003		2		1	2208	3	4	10		0		0	2002		3 [null]
20	1003		2		1	2200	ò	11	26		1		0	2002	;	3 [null]
21	1003		2		2	2208	3	18	66		2		0	2005	;	3 [null]

--Show all match taken place at Old Trafford

SELECT * FROM match

WHERE venue_id

IN (SELECT id FROM venues WHERE name = 'Old Trafford')



-- Total number of runs made by each team throughout

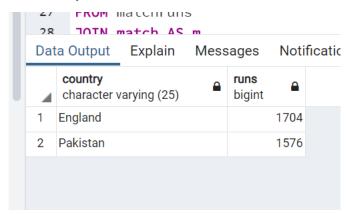
SELECT teams.name AS country,

(SELECT SUM(runs) FROM matchruns

WHERE teams.id = matchruns.team_id) AS runs

FROM teams

ORDER by runs DESC



--Runs made by each player compared to overall

SELECT p.name, f.format, 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

JOIN formats AS F

ON match.format_id = f.id

WHERE runs IS NOT NULL

GROUP BY p.name, f.format

ORDER BY total_runs_per_test DESC

4	name character varying (50)	format character varying (10) □	total_runs_per_test bigint	overall_avg bigint □
1	Zak Crawley	Test	320	3280
2	Jos Buttler	Test	265	3280
3	Azhar Ali	Test	210	3280
4	Babar Azam	Test	195	3280
5	Shan Masood	Test	179	3280
6	Mohammad Rizwan	Test	161	3280
7	Mohammad Hafeez	T20	155	3280
8	Chris Woakes	Test	143	3280
9	Abid Ali	Test	139	3280
10	Tom Banton	T20	137	3280
11	Dom Sibley	Test	98	3280
12	Joe Root	Test	94	3280
13	Eoin Morgan	T20	90	3280
14	Dawid Malan	T20	84	3280
15	Ollie Pope	Test	81	3280
16	Babar Azam	T20	77	3280
17	Moeen Ali	T20	70	3280
18	Asad Shafiq	Test	67	3280
19	Yasir Shah	Test	63	3280
20	Shadab Khan	Test	60	3280
21	Haider Ali	T20	54	3280

-- Run AVG from each stadium compared to overall

SELECT v.name AS venue, f.format AS format, ROUND(AVG(runs),2) AS Test_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

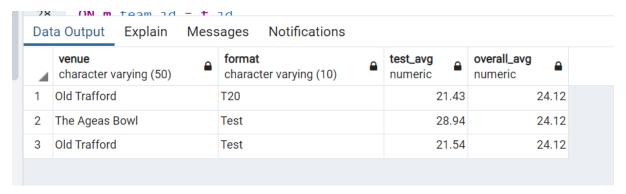
JOIN formats AS F

ON match.format_id = f.id

JOIN venues AS v

ON m.venue_id = v.id

GROUP BY v.name, f.format



-- Number of runs scored by each team specifically via match and innings

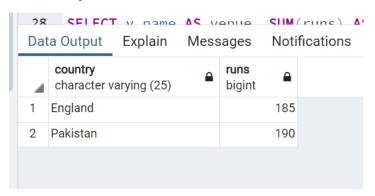
SELECT teams.name AS country,

(SELECT SUM(runs) FROM matchruns AS m

WHERE teams.id = m.team_id AND match_id= 1006 AND innings= 1) AS runs

FROM teams

ORDER by runs



--Number of runs made by each team vs overall

SELECT t.name AS country, 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

Da	Data Output Explain M		Mess	sages Notifications			
4	country character v	arying (25)		team_runs bigint	<u></u>	runs bigint	<u></u>
1	England				1704		3280
2	Pakistan				1576		3280
_	Pakistali				13/0		3200

-- Number of runs made by each stadium

SELECT v.name,

(SELECT SUM(runs) FROM matchruns

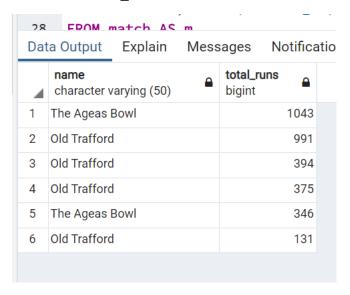
WHERE m.id = matchruns.match_id) AS total_runs

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

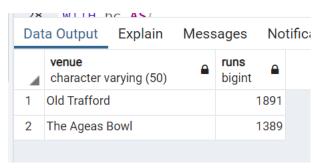
ON m.match_id = match.id

LEFT JOIN venues v

ON match.venue_id = v.id

GROUP BY v.name

ORDER BY runs DESC



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

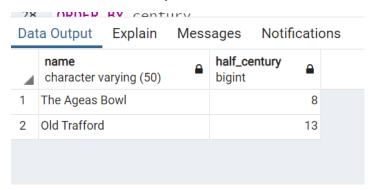
ON m.venue_id = v.id

JOIN hc AS h

ON h.match_id = m.id

GROUP BY v.name

ORDER BY half_century



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

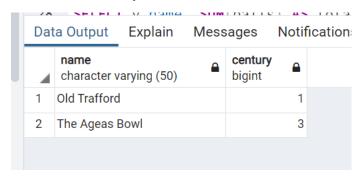
ON m.venue_id = v.id

JOIN hc AS h

ON h.match_id = m.id

GROUP BY v.name

ORDER BY century



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

LEFT JOIN players AS p

ON m.player_id = p.id

WHERE runs IS NOT NULL

GROUP BY p.name

ORDER BY total_runs

4	player character varying (50)	sum bigint	total_runs bigint
1	Zak Crawley	320	1
2	Babar Azam	272	2
3	Jos Buttler	265	3
4	Azhar Ali	210	4
5	Shan Masood	179	5
6	[null]	168	6
7	Mohammad Rizwan	161	7
8	Mohammad Hafeez	155	8
9	Chris Woakes	143	9
10	Abid Ali	139	10
11	Tom Banton	137	11
12	Dom Sibley	98	12
13	Joe Root	94	13
14	Eoin Morgan	90	14
15	Dawid Malan	84	15
16	Ollie Pope	81	16
17	Shadab Khan	75	17
18	Moeen Ali	70	18
19	Asad Shafiq	67	19
20	Yasir Shah	63	20
21	Haider Ali	54	21

--Number of balls bowled by each venue

SELECT v.name, SUM(balls) AS total_balls,

RANK() OVER(ORDER BY SUM(balls)DESC)

FROM matchruns AS m

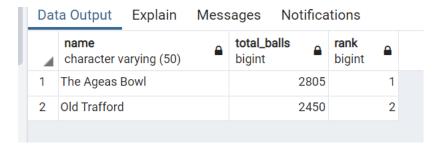
LEFT JOIN match

ON m.match_id = match.id

LEFT JOIN venues AS v

ON match.venue_id = v.id

GROUP BY v.name



--Number of balls bowled by each venue and format

SELECT v.name, f.format, SUM(balls) AS total_balls,

RANK() OVER(ORDER BY SUM(balls)DESC)

FROM matchruns AS m

LEFT JOIN match

ON m.match_id = match.id

LEFT JOIN venues AS v

ON match.venue_id = v.id

LEFT JOIN formats AS f

ON match.format_id = f.id

ata Output Explain

GROUP BY v.name, f.format

4	name character varying (50)	format character varying (10)	total_balls bigint	rank bigint	
	The Ageas Bowl	Test	2805	1	
	Old Trafford	Test	1872	2	
	Old Trafford	T20	578	3	

Messages Notifications

SLIDING FUNCTIONS

--Running total of runs

SELECT match_id, t.name AS team, p.name AS players, runs, innings,

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

4	match_id integer	team character varying (25)	players character varying (50)	runs integer	innings integer	running_total bigint
1	1001	Pakistan	Shan Masood	156	1	156
2	1001	Pakistan	Abid Ali	16	1	172
3	1001	Pakistan	Azhar Ali	0	1	172
4	1001	Pakistan	Babar Azam	69	1	241
5	1001	Pakistan	Asad Shafiq	7	1	248
6	1001	Pakistan	Mohammad Rizwan	9	1	257
7	1001	Pakistan	Shadab Khan	45	1	302
8	1001	Pakistan	Yasir Shah	5	1	307
9	1001	Pakistan	Mohammad Abbas	0	1	307
10	1001	Pakistan	Shaheen Afridi	9	1	316
11	1001	Pakistan	Naseem Shah	0	1	316
12	1001	Pakistan	[null]	10	1	326
13	1001	England	Rory Burns	4	1	330
14	1001	England	Dom Sibley	8	1	338
15	1001	England	Joe Root	14	1	352
16	1001	England	Ben Stokes	0	1	352
17	1001	England	Ollie Pope	62	1	414
18	1001	England	Jos Buttler	38	1	452
19	1001	England	Chris Woakes	19	1	471
20	1001	England	Dom Bess	1	1	472
21	1001	England	Jofra Archer	16	1	488

Running average of runs

SELECT match_id, t.name AS team, p.name AS players, runs, innings,

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

4	match_id integer	team character varying (25)	players character varying (50)	runs integer	innings integer	running_avg numeric
	1001	Pakistan	Shan Masood	156	1	156.000000000000000000000000000000000000
	1001	Pakistan	Abid Ali	16	1	86.000000000000000000000000000000000000
	1001	Pakistan	Azhar Ali	0	1	57.3333333333333333
	1001	Pakistan	Babar Azam	69	1	60.2500000000000000000000000000000000000
	1001	Pakistan	Asad Shafiq	7	1	49.6000000000000000000000000000000000000
	1001	Pakistan	Mohammad Rizwan	9	1	42.8333333333333333
	1001	Pakistan	Shadab Khan	45	1	43.1428571428571429
	1001	Pakistan	Yasir Shah	5	1	38.375000000000000000
	1001	Pakistan	Mohammad Abbas	0	1	34.1111111111111111
	1001	Pakistan	Shaheen Afridi	9	1	31.6000000000000000000000000000000000000
	1001	Pakistan	Naseem Shah	0	1	28.7272727272727273
	1001	Pakistan	[null]	10	1	27.166666666666666
	1001	England	Rory Burns	4	1	25.3846153846153846
	1001	England	Dom Sibley	8	1	24.1428571428571429
	1001	England	Joe Root	14	1	23.46666666666666
	1001	England	Ben Stokes	0	1	22.000000000000000000000000000000000000
	1001	England	Ollie Pope	62	1	24.3529411764705882
	1001	England	Jos Buttler	38	1	25.1111111111111111
	1001	England	Chris Woakes	19	1	24.7894736842105263
	1001	England	Dom Bess	1	1	23.600000000000000000
	1001	England	Jofra Archer	16	1	23.2380952380952381

--Number of Overs played in a game

SELECT match_id, p.name AS player, runs, balls, SUM(balls/6.0) AS OVERS

FROM matchruns

JOIN players AS p

ON matchruns.player_id = p.id

WHERE runs IS NOT NULL

GROUP BY match_id, p.name, runs, balls

ORDER BY SUM(runs/6.0) DESC

	match_id integer □	player character varying (50)	runs integer	balls integer	overs numeric
1	1003	Zak Crawley	267	393	65.50000000000000000
2	1001	Shan Masood	156	319	53.1666666666666667
3	1003	Jos Buttler	152	311	51.8333333333333333
4	1003	Azhar Ali	141	272	45.3333333333333333
5	1006	Mohammad Hafeez	86	52	8.6666666666666667
6	1001	Chris Woakes	84	120	20.00000000000000000
7	1001	Jos Buttler	75	101	16.8333333333333333
8	1002	Mohammad Rizwan	72	139	23.1666666666666667
9	1004	Tom Banton	71	42	7.00000000000000000
10	1001	Babar Azam	69	106	17.6666666666666667
11	1005	Mohammad Hafeez	69	36	6.00000000000000000
12	1005	Eoin Morgan	66	33	5.50000000000000000
13	1003	Babar Azam	63	92	15.33333333333333333
14	1001	Ollie Pope	62	117	19.50000000000000000
15	1006	Moeen Ali	61	33	5.50000000000000000
16	1002	Abid Ali	60	111	18.50000000000000000
17	1005	Babar Azam	56	44	7.33333333333333333
18	1006	Haider Ali	54	33	5.50000000000000000
19	1005	Dawid Malan	54	36	6.00000000000000000
20	1003	Mohammad Rizwan	53	113	18.83333333333333333
21	1002	Zak Crawley	53	99	16.50000000000000000

--Run ranges by a player (Mohammad Rizwan)

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 = 2209

GROUP BY lower, upper

ORDER BY lower

-- 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

Dat	Data Output		Explain Messages		ı	Notification	
4	lower integer	<u></u>	upper integer		count bigint		
1		0		10		1	
2		20		30		1	
3		50		60		1	
4		70		80		1	

--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

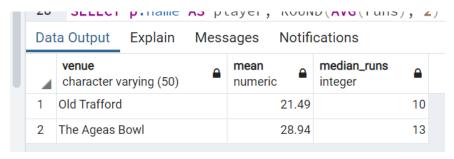
ON matchruns.match_id = m.id

LEFT JOIN venues AS v

ON m.venue_id = v.id

GROUP BY v.name

ORDER BY mean



-- 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

		sages Notific	
4	player character varying (50)	mean numeric	median_runs integer
1	Naseem Shah	1.25	0
2	Mohammad Abbas	1.50	1
3	Chris Jordan	1.50	1
4	Adil Rashid	3.00	3
5	Shaheen Afridi	3.50	2
6	Ben Stokes	4.50	0
7	Lewis Gregory	4.67	2
8	Rory Burns	5.00	4
9	Imad Wasim	6.00	6
10	James Anderson	7.00	7
11	Fawad Alam	7.00	0
12	Tom Curran	8.00	8
13	Iftikhar Ahmed	8.00	8
14	Dom Bess	9.33	1
15	[null]	12.00	11
16	Sam Billings	13.00	10
17	Asad Shafiq	13.40	7
18	Shoaib Malik	14.00	14
19	Jonny Bairstow	15.33	2
20	Yasir Shah	15.75	5
21	Jofra Archer	16.00	16

-- 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

Dutt	Output Explain Messa	iges Notifie	utions	
4	player character varying (50) □	mean numeric	median_runs integer	
1	Zak Crawley	20.50	7	
2	Jos Buttler	6.25	5	
3	Chris Woakes	5.67	5	
4	Azhar Ali	5.40	2	
5	Haider Ali	5.00	5	
6	Babar Azam	4.71	3	
7	Mohammad Hafeez	4.50	4	
8	Shan Masood	4.00	0	
9	Tom Banton	4.00	4	
10	Mohammad Rizwan	3.50	2	
11	Dawid Malan	3.00	2	
12	Joe Root	3.00	2	
13	Abid Ali	2.80	2	
14	Fakhar Zaman	2.50	0	
15	Ollie Pope	2.50	1	
16	Eoin Morgan	2.33	1	
17	Dom Sibley	2.25	1	
18	Yasir Shah	2.00	1	
19	Shadab Khan	1.75	2	
20	Moeen Ali	1.67	1	
21	Stuart Broad	1.67	1	

MISCELLANEOUS

--StrikeRates for each player

SELECT match_id, team_id, player_id, runs, balls, (runs/NULLIF(balls, 0.0)*100) AS SR FROM matchruns

4	match_id integer	team_id integer	player_id integer	runs integer	balls integer	sr numeric
1	1001	2	2208	156	319	48.90282131661442006300
2	1001	2	2205	16	37	43.24324324324324300
3	1001	2	2201	0	6	0.0000000000000000000000000000000000000
4	1001	2	2206	69	106	65.09433962264150943400
5	1001	2	2211	7	22	31.81818181818181818200
6	1001	2	2209	9	41	21.95121951219512195100
7	1001	2	2207	45	76	59.21052631578947368400
8	1001	2	2210	5	25	20.000000000000000000000000000000000000
9	1001	2	2202	0	1	0.0000000000000000000000000000000000000
10	1001	2	2203	9	18	50.000000000000000000000000000000000000
11	1001	2	2212	0	8	0.0000000000000000000000000000000000000
12	1001	2	[null]	10	[null]	[null]
13	1001	1	2006	4	4	100.00000000000000000000000000000000000
14	1001	1	2011	8	8	100.00000000000000000000000000000000000
15	1001	1	2001	14	58	24.13793103448275862100
16	1001	1	2012	0	7	0.0000000000000000000000000000000000000
17	1001	1	2010	62	117	52.99145299145299145300
18	1001	1	2007	38	108	35.18518518518518518500
19	1001	1	2013	19	48	39.583333333333333333
20	1001	1	2004	1	12	8.3333333333333333333
21	1001	1	2003	16	33	48.484848484848484800

--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

Data	Output Explain Mess	sages Notifications
4	name character varying (50)	sr numeric
1	Eoin Morgan	187.5000000000000000
2	Mohammad Hafeez	176.1363636363636400
3	Moeen Ali	166.666666666666700
4	Jonny Bairstow	164.2857142857142900
5	Haider Ali	163.6363636363636400
6	Tom Curran	160.0000000000000000
7	Tom Banton	153.9325842696629200
8	Imad Wasim	150.00000000000000000
9	Fakhar Zaman	148.0000000000000000
10	Shoaib Malik	127.2727272727272700
11	Lewis Gregory	127.2727272727272700
12	Dawid Malan	125.3731343283582100
13	Sam Billings	114.7058823529411800
14	Adil Rashid	100.00000000000000000000000000000000000
15	Stuart Broad	98.07692307692307692300
16	Iftikhar Ahmed	88.88888888888888900
17	Yasir Shah	70.78651685393258427000
18	Shadab Khan	68.80733944954128440400
19	Dom Bess	66.666666666666666700

65.04065040650406504100

64.41441441441441441400

--Number of Player of the Match Awards

SELECT p.name playerofthematch, COUNT(*)

FROM match

20 Zak Crawley

21 Chris Woakes

JOIN players AS p

ON match.potm = p.id

GROUP BY p.name

playerofthematch character varying (50) 1 Zak Crawley 2 Mohammad Hafeez 3 Eoin Morgan 4 Mohammad Rizwan 5 Chris Woakes 1 count bigint 1 2 Mohammad Hafeez 1 1 1	Dat	a Output Explain	Messages		Notifica	
2 Mohammad Hafeez 1 3 Eoin Morgan 1 4 Mohammad Rizwan 1	4					
3 Eoin Morgan 1 4 Mohammad Rizwan 1	1	Zak Crawley			1	
4 Mohammad Rizwan 1	2	Mohammad Hafeez			1	
	3	Eoin Morgan			1	
5 Chris Woakes 1	4	Mohammad Rizwan			1	
	5	Chris Woakes			1	