

EURO 2020 SQL

SELECT * FROM teams

id [PK] integer	team_short_name character varying (3)	name character varying (100)	match_group character varying (1)
1	BEL	Belgium	B
2	ITA	Italy	A
3	ENG	England	D
4	GER	Germany	F
5	ESP	Spain	E
6	UKR	Ukraine	C
7	FRA	France	F
8	POL	Poland	E
9	SUI	Switzerland	A
10	CRO	Croatia	D
11	NED	Netherlands	C
12	RUS	Russia	B
13	POR	Portugal	F
14	TUR	Turkey	A
15	DFN	Denmark	R

SELECT * FROM venues

	id [PK] integer	name character varying (50)	city character varying (50)	country character varying (50)	capacity integer
1	1	Olympic Stadium	Baku	Azerbaijan	68700
2	2	Parken Stadium	Copenhagen	Denmark	38065
3	3	Wembley Stadium	London	United Kingdom	90000
4	4	Allianz Arena	Munich	Germany	75000
5	5	Puskas Arena	Budapest	Hungary	56000
6	6	Stadio Olimpico	Rome	Italy	72698
7	7	Johan Cruyff Arena	Amsterdam	Netherlands	54990
8	8	Aviva Stadium	Dublin	Republic of Ireland	51700
9	9	Arena Nationala	Bucharest	Romania	55600
10	10	Krestovsky Stadium	Saint Petersburg	Russia	68134
11	11	Hampden Park	Glasgow	United Kingdom	52063
12	12	San Mames	Bilbao	Spain	53332

SELECT * FROM stages

Data Output Explain Messages Notifications					
	id [PK] integer	name character varying (15)	start_date date	end_date date	
1	1	Matchday 1	2020-06-12	2020-06-16	
2	2	Matchday 2	2020-06-17	2020-06-20	
3	3	Matchday 3	2020-06-21	2020-06-24	
4	4	Round of 16	2020-06-27	2020-06-30	
5	5	Quarter-Final	2020-07-03	2020-07-04	
6	6	Semi-Final	2020-07-07	2020-07-08	
7	7	Final	2020-07-11	2020-07-11	

SELECT * FROM match

Data Output Explain Messages Notifications									
	id [PK] integer	date date	time_bst time without time zone	stage_id integer	venue_id integer	team1_id integer	team2_id integer		
1	1001	2020-06-12	20:00:00	1	6	14	2		
2	1002	2020-06-13	14:00:00	1	1	19	9		
3	1003	2020-06-13	17:00:00	1	2	15	20		
4	1004	2020-06-13	20:00:00	1	10	1	12		
5	1005	2020-06-14	14:00:00	1	3	3	10		
6	1006	2020-06-14	17:00:00	1	9	16	21		
7	1007	2020-06-14	20:00:00	1	7	11	6		
8	1008	2020-06-15	14:00:00	1	11	23	18		
9	1009	2020-06-15	17:00:00	1	8	8	22		
10	1010	2020-06-15	20:00:00	1	12	5	17		
11	1011	2020-06-16	17:00:00	1	5	24	13		
12	1012	2020-06-16	20:00:00	1	4	7	4		
13	1013	2020-06-17	14:00:00	2	10	20	12		
14	1014	2020-06-17	17:00:00	2	1	14	19		
15	1015	2020-06-17	20:00:00	2	6	2	9		

SELECT * FROM scores

id [PK] integer	stage_id integer	venue_id integer	team1_id integer	team2_id integer	team1_goal integer	team2_goal integer	notes character varying (100)
1001	1	6	14	2	2	3	[null]
1002	1	1	19	9	0	1	[null]
1003	1	2	15	20	0	0	[null]
1004	1	10	1	12	2	2	[null]
1005	1	3	3	10	4	1	[null]
1006	1	9	16	21	2	2	[null]
1007	1	7	11	6	2	1	[null]
1008	1	11	23	18	0	1	[null]
1009	1	8	8	22	1	0	[null]
1010	1	12	5	17	1	3	[null]
1011	1	5	24	13	0	2	[null]
1012	1	4	7	4	2	2	[null]
1013	2	10	20	12	0	2	[null]
1014	2	1	14	19	1	0	[null]
1015	2	6	2	9	3	1	[null]

Matchlist

```
SELECT m.id, date, time_bst, s.name AS stage, v.name AS venue, t1.name AS Team1,  
t2.name AS Team2  
FROM match m  
JOIN stages s  
ON m.stage_id = s.id  
JOIN venues v  
ON m.venue_id = v.id  
JOIN teams t1  
ON m.team1_id = t1.id  
JOIN teams t2  
ON m.team2_id = t2.id  
ORDER BY m.id
```

id integer	date date	time_bst time without time zone	gameweek character varying (15)	venue character varying (50)	team1 character varying (100)	team2 character varying (100)
1001	2020-06-...	20:00:00	Matchday 1	Stadio Olimpico	Turkey	Italy
1002	2020-06-...	14:00:00	Matchday 1	Olympic Stadium	Wales	Switzerland
1003	2020-06-...	17:00:00	Matchday 1	Parken Stadium	Denmark	Finland
1004	2020-06-...	20:00:00	Matchday 1	Krestovsky Stadium	Belgium	Russia
1005	2020-06-...	14:00:00	Matchday 1	Wembley Stadium	England	Croatia
1006	2020-06-...	17:00:00	Matchday 1	Arena Nationala	Austria	Iceland
1007	2020-06-...	20:00:00	Matchday 1	Johan Cruyff Arena	Netherlands	Ukraine
1008	2020-06-...	14:00:00	Matchday 1	Hampden Park	Norway	Czech Republic
1009	2020-06-...	17:00:00	Matchday 1	Aviva Stadium	Poland	Republic of Ireland
1010	2020-06-...	20:00:00	Matchday 1	San Mames	Spain	Sweden
1011	2020-06-...	17:00:00	Matchday 1	Puskas Arena	North Macedonia	Portugal
1012	2020-06-...	20:00:00	Matchday 1	Allianz Arena	France	Germany
1013	2020-06-...	14:00:00	Matchday 2	Krestovsky Stadium	Finland	Russia
1014	2020-06-...	17:00:00	Matchday 2	Olympic Stadium	Turkey	Wales
1015	2020-06-...	20:00:00	Matchday 2	Stadio Olimpico	Italy	Switzerland

Euro 2020 scores

```

SELECT s.id, date, time_bst, s.name AS stage, v.name AS venue, t1.name AS Team1,
t2.name AS Team2, team1_goal, team2_goal
FROM scores sc
JOIN match m
ON sc.id = m.id
JOIN stages s
ON sc.stage_id = s.id
JOIN venues v
ON sc.venue_id = v.id
JOIN teams t1
ON sc.team1_id = t1.id
JOIN teams t2
ON sc.team2_id = t2.id
ORDER BY sc.id

```

id integer	date date	time_bst time without time zone	stage character varying (15)	venue character varying (50)	team1 character varying (100)	team2 character varying (100)	team1_goal integer	team2_goal integer
1	2020-06-12	20:00:00	Matchday 1	Stadio Olimpico	Turkey	Italy	2	3
1	2020-06-13	14:00:00	Matchday 1	Olympic Stadium	Wales	Switzerland	0	1
1	2020-06-13	17:00:00	Matchday 1	Parken Stadium	Denmark	Finland	0	0
1	2020-06-13	20:00:00	Matchday 1	Krestovsky Stadium	Belgium	Russia	2	2
1	2020-06-14	14:00:00	Matchday 1	Wembley Stadium	England	Croatia	4	1
1	2020-06-14	17:00:00	Matchday 1	Arena Nationala	Austria	Iceland	2	2
1	2020-06-14	20:00:00	Matchday 1	Johan Cruyff Arena	Netherlands	Ukraine	2	1
1	2020-06-15	14:00:00	Matchday 1	Hampden Park	Norway	Czech Republic	0	1
1	2020-06-15	17:00:00	Matchday 1	Aviva Stadium	Poland	Republic of Ireland	1	0
1	2020-06-15	20:00:00	Matchday 1	San Mames	Spain	Sweden	1	3
1	2020-06-16	17:00:00	Matchday 1	Puskas Arena	North Macedonia	Portugal	0	2
1	2020-06-16	20:00:00	Matchday 1	Allianz Arena	France	Germany	2	2
2	2020-06-17	14:00:00	Matchday 2	Krestovsky Stadium	Finland	Russia	0	2
2	2020-06-17	17:00:00	Matchday 2	Olympic Stadium	Turkey	Wales	1	0
2	2020-06-17	20:00:00	Matchday 2	Stadio Olimpico	Italy	Switzerland	3	1

WHERE FUNCTIONS

-- Scores from the first matchday

```

SELECT * FROM scores
WHERE stage_id = 1

```

	[PK] integer	integer	integer	integer	integer	integer	integer	integer	character varying (100)
	1001	1	6	14	2	2	3	[null]	
	1002	1	1	19	9	0	1	[null]	
	1003	1	2	15	20	0	0	[null]	
	1004	1	10	1	12	2	2	[null]	
	1005	1	3	3	10	4	1	[null]	
	1006	1	9	16	21	2	2	[null]	
	1007	1	7	11	6	2	1	[null]	
	1008	1	11	23	18	0	1	[null]	
	1009	1	8	8	22	1	0	[null]	
0	1010	1	12	5	17	1	3	[null]	
1	1011	1	5	24	13	0	2	[null]	
2	1012	1	4	7	4	2	2	[null]	

-- Scores from the group stages

```
SELECT * FROM scores
WHERE stage_id BETWEEN 1 AND 3
```

	id [PK] integer	stage_id integer	venue_id integer	team1_id integer	team2_id integer	team1_goal integer	team2_goal integer	notes character varying (100)
1		1001	1	6	14	2	2	3 [null]
2		1002	1	1	19	9	0	1 [null]
3		1003	1	2	15	20	0	0 [null]
4		1004	1	10	1	12	2	2 [null]
5		1005	1	3	3	10	4	1 [null]
6		1006	1	9	16	21	2	2 [null]
7		1007	1	7	11	6	2	1 [null]
8		1008	1	11	23	18	0	1 [null]
9		1009	1	8	8	22	1	0 [null]
10		1010	1	12	5	17	1	3 [null]
11		1011	1	5	24	13	0	2 [null]
12		1012	1	4	7	4	2	2 [null]
13		1013	2	10	20	12	0	2 [null]
14		1014	2	1	14	19	1	0 [null]
15		1015	2	6	2	0	2	1 [null]

-- Scores that took place at Wembley Stadium

```
SELECT * FROM scores
WHERE venue_id= 3
```

	id [PK] integer	stage_id integer	venue_id integer	team1_id integer	team2_id integer	team1_goal integer	team2_goal integer	notes character varying (100)
1	1005	1	3	3	10	4	1	[null]
2	1021	2	3	3	23	5	0	[null]
3	1031	3	3	18	3	0	2	Czech Republic and England advance to the knockout stages
4	1038	4	3	2	6	2	1	[null]
5	1050	6	3	3	11	0	1	[null]
6	1051	7	3	13	11	0	1	[null]
7	1049	6	3	2	13	2	2	Portugal win 5-3 on penalties

--Matches that took place within matchday 3

```
SELECT * FROM match
WHERE stage_id = 3
```

	id [PK] integer	date date	time_bst time without time zone	stage_id integer	venue_id integer	team1_id integer	team2_id integer
1	1025	2020-06-21	17:00:00	3	6	2	19
2	1026	2020-06-21	17:00:00	3	1	9	14
3	1027	2020-06-22	17:00:00	3	9	6	16
4	1028	2020-06-22	17:00:00	3	7	21	11
5	1029	2020-06-22	20:00:00	3	10	20	1
6	1030	2020-06-22	20:00:00	3	2	12	15
7	1031	2020-06-23	20:00:00	3	3	18	3
8	1032	2020-06-23	20:00:00	3	11	10	23
9	1033	2020-06-24	17:00:00	3	8	17	8
10	1034	2020-06-24	17:00:00	3	12	22	5
11	1035	2020-06-24	20:00:00	3	4	4	24
12	1036	2020-06-24	20:00:00	3	5	13	7

AGGREGATE FUNCTIONS

COUNT

-- Number of matches in Euro 2020

```
SELECT COUNT(id) AS total_matches
FROM scores
```

	total_matches bigint
1	51

-- Number of matches taken place each stadium

```
SELECT v.name, COUNT(*) AS matches
FROM scores
JOIN venues AS v
ON scores.venue_id = v.id
GROUP BY v.name
ORDER BY matches DESC
```

	name character varying (50)	matches bigint
1	Wembley Stadium	7
2	Puskas Arena	4
3	San Mames	4
4	Krestovsky Stadium	4
5	Arena Nationala	4
6	Hampden Park	4
7	Stadio Olimpico	4
8	Aviva Stadium	4
9	Allianz Arena	4
10	Johan Cruyff Arena	4
11	Parken Stadium	4
12	Olympic Stadium	4

-- Number of matches per stage

```
SELECT stages.name, COUNT(*) AS matches
FROM scores
JOIN stages
ON scores.stage_id = stages.id
GROUP BY stages.name
ORDER BY matches DESC, stages.name
```

	name character varying (15)	matches bigint
1	Matchday 1	12
2	Matchday 2	12
3	Matchday 3	12
4	Round of 16	8
5	Quarter-Final	4
6	Semi-Final	2
7	Final	1

--What times do England play and how many times?

```
SELECT time_bst, COUNT(*)
FROM match
WHERE team1_id = 3
OR team2_id = 3
GROUP BY time_bst
ORDER BY COUNT(*)
```

	time_bst time without time zone	count bigint
1	17:00:00	1
2	14:00:00	1
3	20:00:00	4

SUM

-- Number of goals scored in Euro 2020

```
SELECT SUM(team1_goal + team2_goal)
FROM scores
```

	sum bigint
1	134

-- Number of goals scored in each round

```
SELECT stages.name, SUM(team1_goal + team2_goal) AS total_goals
FROM scores
JOIN stages
ON scores.stage_id = stages.id
GROUP BY stages.name
ORDER BY total_goals DESC, stages.name
```

	name character varying (15)	total_goals bigint
1	Matchday 1	34
2	Matchday 2	33
3	Matchday 3	26
4	Round of 16	21
5	Quarter-Final	14
6	Semi-Final	5
7	Final	1

--Number of goals scored in each stadium

```
SELECT venues.name, SUM(team1_goal + team2_goal) AS total_goals
FROM scores
JOIN venues
ON scores.venue_id = venues.id
GROUP BY venues.name
ORDER BY total_goals DESC
```

	Data Output	Explain	Messages	Noti
	name character varying (50)	total_goals bigint		
1	Wembley Stadium	21		
2	Allianz Arena	15		
3	Stadio Olimpico	15		
4	Arena Nationala	13		
5	Krestovsky Stadium	11		
6	San Mames	10		
7	Hampden Park	10		
8	Olympic Stadium	9		
9	Johan Cruyff Arena	9		
10	Puskas Arena	8		
11	Aviva Stadium	8		
12	Parken Stadium	5		

--Number of goals scored in each stadium capacity of < 55000

```
SELECT venues.name, SUM(team1_goal + team2_goal) AS total_goals
FROM scores
JOIN venues
ON scores.venue_id = venues.id
WHERE capacity BETWEEN 30000 AND 55000
GROUP BY venues.name
ORDER BY total_goals DESC
```

	Data Output	Explain	Messages	Not
	name character varying (50)	total_goals bigint		
1	Hampden Park	10		
2	San Mames	10		
3	Johan Cruyff Arena	9		
4	Aviva Stadium	8		
5	Parken Stadium	5		

--Number of goals scored in each stadium capacity of > 55000

```
SELECT venues.name, SUM(team1_goal + team2_goal) AS total_goals
FROM scores
JOIN venues
ON scores.venue_id = venues.id
WHERE capacity BETWEEN 55001 AND 90000
GROUP BY venues.name
ORDER BY total_goals DESC
```

	Data Output	Explain	Messages	No
	name character varying (50)	total_goals bigint		
1	Wembley Stadium	21		
2	Stadio Olimpico	15		
3	Allianz Arena	15		
4	Arena Nationala	13		
5	Krestovsky Stadium	11		
6	Olympic Stadium	9		
7	Puskas Arena	8		

MAX

-- Maximum number of goals scored in a single match in Euro 2020

```
SELECT MAX(team1_goal + team2_goal) FROM scores
```

	Data Output	Expl
	max integer	
1	6	

--Maximum number of goals scored in a match per round

```
SELECT stages.name, MAX(team1_goal + team2_goal) AS max_goals
FROM scores
JOIN stages
ON scores.venue_id = stages.id
GROUP BY stages.name
ORDER BY max_goals DESC, stages.name
```

	Data Output	Explain	Messages	Nc
	name character varying (15)	max_goals integer		
1	Matchday 3	5		
2	Round of 16	5		
3	Semi-Final	5		
4	Matchday 1	4		
5	Matchday 2	4		
6	Quarter-Final	4		
7	Final	3		

--Maximum number of goals scored in a match per stadium

```
SELECT venues.name, MAX(team1_goal + team2_goal) AS max_goals
FROM scores
JOIN venues
ON scores.venue_id = venues.id
GROUP BY venues.name
ORDER BY max_goals DESC
```

	name character varying (50)	max_goals integer
1	Aviva Stadium	6
2	Wembley Stadium	5
3	Arena Nationala	5
4	Stadio Olimpico	5
5	Allianz Arena	5
6	Olympic Stadium	4
7	Puskas Arena	4
8	San Mames	4
9	Krestovsky Stadium	4
0	Hampden Park	4
1	Parken Stadium	4
2	Johan Cruyff Arena	3

ORDER BY m.id

UNION

--Displaying all matches and venues

```
SELECT stage_id, venue_id, team1_id, team2_id
FROM match
UNION
SELECT stage_id, venue_id, team1_id, team2_id
FROM scores
ORDER BY stage_id, venue_id
```

	stage_id integer	venue_id integer	team1_id integer	team2_id integer	
1	1	1	1	19	9
2	1	2	2	15	20
3	1	3	3	3	10
4	1	4	4	7	4
5	1	5	5	24	13
6	1	6	6	14	2
7	1	7	7	11	6
8	1	8	8	8	22
9	1	9	9	16	21
10	1	10	10	1	12
11	1	11	11	23	18
12	1	12	12	5	17
13	2	1	1	14	19
14	2	2	2	15	1
15	2	3	3	3	23

```
SELECT stage_id, venue_id, team1_id, team2_id
FROM match
UNION ALL
SELECT stage_id, venue_id, team1_id, team2_id
FROM scores
ORDER BY stage_id, venue_id
```

	stage_id integer	venue_id integer	team1_id integer	team2_id integer	
1	1	1	1	19	9
2	1	1	1	19	9
3	1	2	2	15	20
4	1	2	2	15	20
5	1	3	3	3	10
6	1	3	3	3	10
7	1	4	4	7	4
8	1	4	4	7	4
9	1	5	5	24	13
10	1	5	5	24	13
11	1	6	6	14	2
12	1	6	6	14	2
13	1	7	7	11	6
14	1	7	7	11	6
15	1	8	8	8	22

CASE STATEMENTS

--Identify home wins, losses or draw

```
SELECT id,  
CASE WHEN team1_goal > team2_goal THEN 'Home win!'  
WHEN team1_goal < team2_goal THEN 'Home loss'  
ELSE 'Draw' END AS outcome  
FROM scores
```

	id [PK] integer	outcome text
1	1001	Home loss
2	1002	Home loss
3	1003	Draw
4	1004	Draw
5	1005	Home win!
6	1006	Draw
7	1007	Home win!
8	1008	Home loss
9	1009	Home win!
10	1010	Home loss
11	1011	Home loss
12	1012	Draw
13	1013	Home loss
14	1014	Home win!
15	1015	Home win!

--Select matches where Netherlands was 'Team 2'

```
SELECT s.id, t.name,  
CASE WHEN team1_goal > team2_goal THEN 'Holland lose!'  
WHEN team1_goal < team2_goal THEN 'Holland win!'  
ELSE 'Draw' END AS Outcome  
FROM scores s  
JOIN teams t  
ON s.team1_id = t.id  
WHERE team2_id = 11
```

	id integer	name character varying (100)	outcome text
1	1050	England	Holland win!
2	1051	Portugal	Holland win!
3	1028	Iceland	Holland win!

--Identify when Belgium won a match in Euro 2020

```
SELECT m.date, s.name, v.name,  
CASE WHEN scores.team1_id = 1 AND team1_goal > team2_goal THEN 'Belgium win'  
WHEN scores.team2_id = 1 AND team2_goal > team1_goal THEN 'Belgium win'  
END AS outcome  
FROM scores  
JOIN match m  
ON scores.id = m.id  
JOIN stages s  
ON scores.stage_id = s.id  
JOIN venues v  
ON scores.venue_id = v.id
```

	date date	name character varying (15)	name character varying (50)	outcome text
1	2020-06-12	Matchday 1	Stadio Olimpico	[null]
2	2020-06-13	Matchday 1	Olympic Stadium	[null]
3	2020-06-13	Matchday 1	Parken Stadium	[null]
4	2020-06-13	Matchday 1	Krestovsky Stadium	[null]
5	2020-06-14	Matchday 1	Wembley Stadium	[null]
6	2020-06-14	Matchday 1	Arena Nationala	[null]
7	2020-06-14	Matchday 1	Johan Cruyff Arena	[null]
8	2020-06-15	Matchday 1	Hampden Park	[null]
9	2020-06-15	Matchday 1	Aviva Stadium	[null]
10	2020-06-15	Matchday 1	San Mames	[null]
11	2020-06-16	Matchday 1	Puskas Arena	[null]
12	2020-06-16	Matchday 1	Allianz Arena	[null]
13	2020-06-17	Matchday 2	Krestovsky Stadium	[null]
14	2020-06-17	Matchday 2	Olympic Stadium	[null]
15	2020-06-17	Matchday 2	Stadio Olimpico	[null]

--Sum the total records in each stages where Team 1 won

```
SELECT s.name AS Stages,
SUM(CASE WHEN stage_id = 1 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_1,
SUM(CASE WHEN stage_id = 2 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_2,
SUM(CASE WHEN stage_id = 3 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_3,
SUM(CASE WHEN stage_id = 4 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_4,
SUM(CASE WHEN stage_id = 5 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_5,
SUM(CASE WHEN stage_id = 6 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_6,
SUM(CASE WHEN stage_id = 7 AND team1_goal > team2_goal THEN 1 ELSE 0 END) AS
Matchday_7
FROM scores
JOIN stages s
ON scores.stage_id = s.id
GROUP BY s.name
```

	stages	matchday_1	matchday_2	matchday_3	matchday_4	matchday_5	matchday_6	matchday_7
	character varying (15)	bigint	bigint	bigint	bigint	bigint	bigint	bigint
1	Matchday 3	0	0	7	0	0	0	0
2	Round of 16	0	0	0	4	0	0	0
3	Quarter-Final	0	0	0	0	2	0	0
4	Semi-Final	0	0	0	0	0	0	0
5	Final	0	0	0	0	0	0	0
6	Matchday 2	0	9	0	0	0	0	0
7	Matchday 1	3	0	0	0	0	0	0

--Count the Team1, Team2 and Draws in each Stadium

```
SELECT v.name AS venue,
COUNT(CASE WHEN team1_goal > team2_goal THEN s.id END) AS team1_wins,
COUNT(CASE WHEN team1_goal < team2_goal THEN s.id END) AS team2_wins,
COUNT(CASE WHEN team1_goal = team2_goal THEN s.id END) AS Draw
FROM scores s
JOIN venues v
ON s.venue_id = v.id
GROUP BY venue
```

	venue	team1_wins	team2_wins	draw
	character varying (50)	bigint	bigint	bigint
	Parken Stadium	1	0	3
	Puskas Arena	2	2	0
	San Mames	1	3	0
	Krestovsky Stadium	1	2	1
	Arena Nacionala	3	0	1
	Wembley Stadium	3	3	1
	Hampden Park	3	1	0
	Stadio Olimpico	2	2	0
	Aviva Stadium	3	0	1
1	Allianz Arena	2	1	1
1	Johan Cruyff Arena	2	2	0
2	Olympic Stadium	2	2	0

SUBQUERIES

--Teams who scored 3 or more goals as Team 1

```
SELECT t.name
```

```
FROM teams t
```

```
WHERE t.id IN (SELECT team1_id FROM scores WHERE team1_goal >= 3)
```

	name character varying (100) 🔒
1	Italy
2	England
3	Ukraine
4	Netherlands
5	Portugal
6	Sweden

--Teams who scored 2 or more goals as Team 2

```
SELECT t.name
```

```
FROM teams t
```

```
WHERE t.id IN (SELECT team2_id FROM scores WHERE team1_goal >= 3)
```

	name character varying (100) 🔒
1	Belgium
2	Germany
3	Spain
4	Switzerland
5	Croatia
6	Austria
7	Czech Republic
8	Wales
9	Republic of Ireland
10	Norway

--Matches where 5 or more goals were score in a match

```

SELECT date, team1_goal, team2_goal
FROM
(SELECT date, s.name, team1_goal, team2_goal, (team1_goal + team2_goal) AS
total_goals
FROM scores
JOIN match m
ON scores.id = m.id
JOIN stages s
ON scores.stage_id = s.id) AS subq
WHERE total_goals >= 5

```

	Data Output	Explain	Messages	Notif
	date date	team1_goal integer	team2_goal integer	
1	2020-06-12	2	3	
2	2020-06-14	4	1	
3	2020-06-19	4	2	
4	2020-06-19	5	0	
5	2020-06-20	4	1	
6	2020-06-29	3	2	

--Average total of goals per day vs. Overall AVG

```

SELECT s.name AS stages,
ROUND(AVG(team1_goal + team2_goal), 2) AS avg_goals,
(SELECT ROUND(AVG(team1_goal + team2_goal), 2)
FROM scores) AS Overall_avg
FROM scores
JOIN match AS m
ON scores.id = m.id
JOIN stages s
ON scores.stage_id = s.id
GROUP BY date, s.name
ORDER BY date

```

	stages character varying (15)	avg_goals numeric	overall_avg numeric
1	Matchday 1	5.00	2.63
2	Matchday 1	1.67	2.63
3	Matchday 1	4.00	2.63
4	Matchday 1	2.00	2.63
5	Matchday 1	3.00	2.63
6	Matchday 2	2.33	2.63
7	Matchday 2	1.00	2.63
8	Matchday 2	4.33	2.63
9	Matchday 2	3.33	2.63
10	Matchday 3	3.50	2.63
11	Matchday 3	1.50	2.63
12	Matchday 3	2.50	2.63
13	Matchday 3	2.00	2.63
14	Round of 16	3.00	2.63
15	Round of 16	1.00	2.63

--Average total of goals per stage vs Overall AVG

```
SELECT s.name AS stages,
ROUND(AVG(team1_goal + team2_goal), 2) AS avg_goals,
(SELECT ROUND(AVG(team1_goal + team2_goal), 2)
FROM scores) AS Overall_avg
FROM scores
LEFT JOIN match AS m
ON scores.id = m.id
JOIN stages s
ON scores.stage_id = s.id
GROUP BY s.name
```

	stages	avg_goals	overall_avg
	character varying (15)	numeric	numeric
1	Matchday 3	2.17	2.63
2	Round of 16	2.63	2.63
3	Quarter-Final	3.50	2.63
4	Semi-Final	2.50	2.63
5	Final	1.00	2.63
6	Matchday 2	2.75	2.63
7	Matchday 1	2.83	2.63

--Average total of goals per stage vs difference of overall AVG

```
SELECT s.name AS stages,
ROUND(AVG(team1_goal + team2_goal), 2) AS avg_goals,
ROUND(AVG(team1_goal + team2_goal) -
(SELECT AVG(team1_goal + team2_goal)
FROM scores), 2) AS diff
FROM scores
LEFT JOIN match AS m
ON scores.id = m.id
JOIN stages s
ON scores.stage_id = s.id
GROUP BY s.name
```

	stages	avg_goals	diff
	character varying (15)	numeric	numeric
1	Matchday 3	2.17	-0.46
2	Round of 16	2.63	0.00
3	Quarter-Final	3.50	0.87
4	Semi-Final	2.50	-0.13
5	Final	1.00	-1.63
6	Matchday 2	2.75	0.12
7	Matchday 1	2.83	0.21







--Stages where average goals > Overall AVG + Overall AVG

```
SELECT
s.stage_id, ROUND(s.avg_goals, 2) AS AVG_goals,
(SELECT AVG(team1_goal + team2_goal) FROM scores) AS overall_AVG
FROM
(SELECT stage_id, AVG(team1_goal + team2_goal) AS avg_goals
FROM scores
GROUP BY stage_id) AS s
WHERE s.avg_goals > (SELECT AVG(team1_goal + team2_goal)
FROM scores)
```

	Data Output	Explain	Messages	Notifications
	stage_id integer	avg_goals numeric	overall_avg numeric	
1	1	2.83	2.6274509803921569	
2	5	3.50	2.6274509803921569	
3	2	2.75	2.6274509803921569	







--Correlated subquery (matches where goals > twice the AVG

```
SELECT
main.stage_id,
main.team1_goal,
main.team2_goal
FROM scores AS main
WHERE
(team1_goal + team2_goal) >
(SELECT AVG((sub.team1_goal + sub.team2_goal) * 2)
FROM scores AS sub
WHERE main.stage_id = sub.stage_id)
```

Data Output		Explain	Messages	Notifications		
	id  [PK] integer	stage_id  integer	venue_id  integer	team1_goal  integer	team2_goal  integer	
1	1019	2	8	4	2	







--Scores equal Max number of goals in a match

```
SELECT
main.id,
main.stage_id,
main.venue_id,
main.team1_goal,
main.team2_goal
FROM scores AS main
WHERE(team1_goal + team2_goal) =
(SELECT MAX(sub.team1_goal + sub.team2_goal)
FROM scores AS sub)
```

Data Output		Explain	Messages	Notifications	
	id [PK] integer 	stage_id integer 	venue_id integer 	team1_goal integer 	team2_goal integer 
1	1019	2	8	4	2

--Scores equal Min number of goals in a match

```
SELECT
main.id,
main.stage_id,
main.venue_id,
main.team1_goal,
main.team2_goal
FROM scores AS main
WHERE(team1_goal + team2_goal) =
(SELECT MIN(sub.team1_goal + sub.team2_goal)
FROM scores AS sub)
```

Data Output		Explain	Messages	Notifications		
	id  [PK] integer	stage_id  integer	venue_id  integer	team1_goal  integer	team2_goal  integer	
1	1003	1	2	0	0	
2	1017	2	2	0	0	
3	1043	4	8	0	0	

--Comparing Max goals

```
SELECT st.name, MAX(team1_goal + team2_goal) AS max_goals,  
(SELECT MAX(team1_goal + team2_goal) FROM scores) AS overall_max,  
(SELECT MAX (team1_goal + team2_goal)  
FROM scores  
WHERE id IN (SELECT id FROM match WHERE EXTRACT(MONTH FROM date) = 06))  
AS june_max_goals  
FROM scores sc  
JOIN stages AS st  
ON sc.stage_id = st.id  
GROUP BY st.name
```

	name character varying (15)	max_goals integer	overall_max integer	june_max_goals integer
1	Matchday 3	4	6	6
2	Round of 16	5	6	6
3	Quarter-Final	4	6	6
4	Semi-Final	4	6	6
5	Final	1	6	6
6	Matchday 2	6	6	6
7	Matchday 1	5	6	6

--Matches where team1 or team 2 score 2 or more goals

```
SELECT id, stage_id, venue_id  
FROM scores  
WHERE team1_goal >= 2 OR team2_goal >= 2
```

id [PK] integer	stage_id integer	venue_id integer
1001	1	6
1004	1	10
1005	1	3
1006	1	9
1007	1	7
1010	1	12
1011	1	5
1012	1	4
1013	2	10
1015	2	6
1018	2	7
1019	2	8
1020	2	11
1021	2	3
1022	2	5

--Which stage and venue did those matches take place with > 2 goals?

```
SELECT
s.name AS stage, v.name AS venue, COUNT(subquery.id) AS matches
FROM (
SELECT stage_id, venue_id, id
FROM scores
WHERE team1_goal >= 2 OR team2_goal >= 2) AS subquery
JOIN stages s
ON s.id = subquery.stage_id
JOIN venues v
ON v.id = subquery.venue_id
GROUP BY s.name, v.name
```

	Data Output	Explain	Messages	Notifications
	stage character varying (15)	venue character varying (50)	matches bigint	
1	Matchday 2	Krestovsky Stadium	1	
2	Matchday 2	Johan Cruyff Arena	1	
3	Matchday 1	Wembley Stadium	1	
4	Matchday 2	Wembley Stadium	1	
5	Matchday 1	Krestovsky Stadium	1	
6	Matchday 1	San Mames	1	
7	Quarter-Final	Krestovsky Stadium	1	
8	Matchday 3	Arena Nationala	1	
9	Matchday 3	Hampden Park	1	
10	Round of 16	Arena Nationala	1	
11	Round of 16	Parken Stadium	1	
12	Round of 16	Wembley Stadium	1	
13	Matchday 2	Aviva Stadium	1	
14	Matchday 1	Johan Cruyff Arena	1	
15	Quarter-Final	Stadio Olimpico	1	

--Full scoresheet using a Subquery

```
SELECT m.date, team1, team2, team1_goal, team2_goal
FROM scores s
JOIN match m
ON s.id = m.id
LEFT JOIN (
SELECT match.id, t.name AS team1
FROM match
JOIN teams t
ON match.team1_id = t.id) AS team1
ON team1.id = s.id
LEFT JOIN (
SELECT match.id, t.name AS team2
FROM match
JOIN teams t
ON match.team2_id = t.id) AS team2
ON team2.id = s.id
ORDER BY date
```

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Data Output		Explain	Messages	Notifications		
	date date	team1 character varying (100)	team2 character varying (100)	team1_goal integer	team2_goal integer	
1	2020-06-12	Turkey	Italy	2	3	
2	2020-06-13	Belgium	Russia	2	2	
3	2020-06-13	Wales	Switzerland	0	1	
4	2020-06-13	Denmark	Finland	0	0	
5	2020-06-14	Netherlands	Ukraine	2	1	
6	2020-06-14	England	Croatia	4	1	
7	2020-06-14	Austria	Iceland	2	2	
8	2020-06-15	Spain	Sweden	1	3	
9	2020-06-15	Poland	Republic of Ireland	1	0	
10	2020-06-15	Norway	Czech Republic	0	1	
11	2020-06-16	France	Germany	2	2	
12	2020-06-16	North Macedonia	Portugal	0	2	
13	2020-06-17	Turkey	Wales	1	0	
14	2020-06-17	Italy	Switzerland	3	1	
15	2020-06-17	Finland	Russia	0	2	

--Full scoresheet using a correlated subquery

```
SELECT m.date, team1, team2, team1_goal, team2_goal
FROM scores s
JOIN match m
ON s.id = m.id
LEFT JOIN (
SELECT match.id, t.name AS team1
FROM match
JOIN teams t
ON match.team1_id = t.id) AS team1
ON team1.id = s.id
LEFT JOIN (
SELECT match.id, t.name AS team2
FROM match
JOIN teams t
ON match.team2_id = t.id) AS team2
ON team2.id = s.id
ORDER BY date
```

	Data Output	Explain	Messages	Notifications		
	 date date	 team1 character varying (100)	 team2 character varying (100)	 team1_goal integer	 team2_goal integer	
1	2020-06-12	Turkey	Italy	2	3	
2	2020-06-13	Belgium	Russia	2	2	
3	2020-06-13	Wales	Switzerland	0	1	
4	2020-06-13	Denmark	Finland	0	0	
5	2020-06-14	Netherlands	Ukraine	2	1	
6	2020-06-14	England	Croatia	4	1	
7	2020-06-14	Austria	Iceland	2	2	
8	2020-06-15	Spain	Sweden	1	3	
9	2020-06-15	Poland	Republic of Ireland	1	0	
10	2020-06-15	Norway	Czech Republic	0	1	
11	2020-06-16	France	Germany	2	2	
12	2020-06-16	North Macedonia	Portugal	0	2	
13	2020-06-17	Turkey	Wales	1	0	
14	2020-06-17	Italy	Switzerland	3	1	
15	2020-06-17	Finland	Russia	0	2	

COMMON TABLE EXPRESSIONS

--Number of games per stage where total goals are more than / equal to 4

```
WITH match_list AS (  
SELECT  
m.id FROM scores m  
WHERE (team1_goal + team2_goal) >= 4)  
SELECT s.name AS stage, COUNT(match_list.id) AS matches  
FROM scores  
JOIN stages AS s  
ON scores.stage_id = s.id  
LEFT JOIN match_list ON scores.id = match_list.id  
GROUP BY s.name  
ORDER BY matches DESC
```

	Data Output	Explain	Messages	Notifications
	stage character varying (15)	matches bigint		
1	Matchday 1	6		
2	Matchday 2	5		
3	Round of 16	3		
4	Quarter-Final	3		
5	Matchday 3	2		
6	Semi-Final	1		
7	Final	0		

--Matches where 4 or more goals were scored

```
WITH match_list AS (  
SELECT  
scores.stage_id, m.date, team1_goal, team2_goal, (team1_goal + team2_goal) AS  
total_goals  
FROM scores  
LEFT JOIN match m ON scores.id = m.id)  
SELECT stage_id, date, team1_goal, team2_goal FROM match_list  
WHERE total_goals >= 4
```

	Data Output	Explain	Messages	Notifications
	stage_id integer	date date	team1_goal integer	team2_goal integer
1	1	2020-06-12	2	3
2	1	2020-06-13	2	2
3	1	2020-06-14	4	1
4	1	2020-06-14	2	2
5	1	2020-06-15	1	3
6	1	2020-06-16	2	2
7	2	2020-06-17	3	1
8	2	2020-06-19	4	2
9	2	2020-06-19	5	0
10	2	2020-06-20	0	4
11	2	2020-06-20	4	1
12	3	2020-06-21	4	0
13	3	2020-06-24	0	4
14	4	2020-06-29	2	2
15	4	2020-06-29	3	2

--Number of goals scored on AVG per venue in June

```
WITH match_list AS (  
SELECT  
venue_id, (team1_goal + team2_goal) AS goals  
FROM scores  
WHERE id IN (SELECT id FROM match  
WHERE EXTRACT(MONTH FROM date) = 06))  
SELECT v.name, ROUND(AVG(match_list.goals), 2)  
FROM venues v  
LEFT JOIN match_list  
ON v.id = match_list.venue_id  
GROUP BY v.name
```

Data Output			Explain	Messages	Notifica
	name character varying (50)	round numeric			
1	Hampden Park	2.50			
2	Johan Cruyff Arena	2.25			
3	Allianz Arena	3.67			
4	San Mames	2.50			
5	Krestovsky Stadium	2.33			
6	Aviva Stadium	2.00			
7	Parken Stadium	1.25			
8	Puskas Arena	2.00			
9	Arena Nationala	3.25			
10	Wembley Stadium	3.75			
11	Stadio Olimpico	4.33			
12	Olympic Stadium	1.67			

--Full scoresheet using CTE

```
WITH team1 AS (
SELECT s.id, m.date, t.name AS team1, s.team1_goal
FROM scores s
LEFT JOIN teams t
ON t.id = s.team1_id
LEFT JOIN match m
ON s.id = m.id),
team2 AS (
SELECT s.id, m.date, t.name AS team2, s.team2_goal
FROM scores s
LEFT JOIN teams t
ON t.id = s.team2_id
LEFT JOIN match m
ON s.id = m.id)
SELECT team1.date, team1.team1, team2.team2, team1.team1_goal, team2.team2_goal
FROM team1
JOIN team2
On team1.id = team2.id
ORDER BY date
```

	date	team1	team2	team1_goal	team2_goal
	date	character varying (100)	character varying (100)	integer	integer
1	2020-06-12	Turkey	Italy	2	3
2	2020-06-13	Wales	Switzerland	0	1
3	2020-06-13	Denmark	Finland	0	0
4	2020-06-13	Belgium	Russia	2	2
5	2020-06-14	Netherlands	Ukraine	2	1
6	2020-06-14	England	Croatia	4	1
7	2020-06-14	Austria	Iceland	2	2
8	2020-06-15	Poland	Republic of Ireland	1	0
9	2020-06-15	Spain	Sweden	1	3
10	2020-06-15	Norway	Czech Republic	0	1
11	2020-06-16	North Macedonia	Portugal	0	2
12	2020-06-16	France	Germany	2	2
13	2020-06-17	Finland	Russia	0	2
14	2020-06-17	Italy	Switzerland	3	1
15	2020-06-17	Turkey	Wales	1	0








--Full Scoresheet for Netherlands for Euro 2020 CTE

```
WITH home AS(
    SELECT s.id, t.name,
CASE WHEN s.team1_goal > s.team2_goal THEN 'Netherlands Win'
WHEN s.team1_goal < s.team2_goal THEN 'Netherlands Lost'
ELSE 'Draw' END AS Netherlands_Euro_20
FROM scores s
LEFT JOIN teams t
ON s.team1_id = t.id),
away AS (
SELECT s.id, t.name,
CASE WHEN s.team1_goal > s.team2_goal THEN 'Netherlands Lost'
WHEN s.team1_goal < s.team2_goal THEN 'Netherlands Win'
ELSE 'Draw' END AS Netherlands_Euro_20
FROM scores s
```

```

LEFT JOIN teams t
ON s.team2_id = t.id)
SELECT DISTINCT m.date, home.name AS team1, away.name AS team2, team1_goal,
team2_goal,
RANK() OVER(ORDER BY ABS (team1_goal - team2_goal) DESC) AS match_rank
FROM scores s
JOIN match m ON s.id = m.id
JOIN home ON s.id = home.id
JOIN away ON s.id = away.id
WHERE home.name = 'Netherlands' OR away.name = 'Netherlands'

```

Data Output		Explain	Messages	Notifications			
	 date 	team1  character varying (100)	team2  character varying (100)	team1_goal  integer	team2_goal  integer	match_rank  bigint	
1	2020-06-...	Netherlands	Ukraine		2	1	3
2	2020-06-...	Netherlands	Austria		2	0	2
3	2020-06-...	Iceland	Netherlands		0	1	3
4	2020-06-...	Netherlands	Germany		1	0	3
5	2020-07-...	Netherlands	Belgium		4	0	1
6	2020-07-...	England	Netherlands		0	1	3
7	2020-07-...	Portugal	Netherlands		0	1	3

WINDOW FUNCTIONS

--Scorelist with the AVG

```

SELECT sc.id, v.name AS venue, st.name AS stage, sc.team1_goal, team2_goal,
AVG(team1_goal + team2_goal) OVER() AS overall_avg
FROM scores sc
JOIN venues v ON sc.venue_id = v.id
JOIN stages st ON sc.stage_id = st.id

```

	id	venue	stage	team1_goal	team2_goal	overall_avg	
	integer	character varying (50)	character varying (15)	integer	integer	numeric	
1	1001	Stadio Olimpico	Matchday 1	2	3	2.6274509803921569	
2	1002	Olympic Stadium	Matchday 1	0	1	2.6274509803921569	
3	1003	Parken Stadium	Matchday 1	0	0	2.6274509803921569	
4	1004	Krestovsky Stadium	Matchday 1	2	2	2.6274509803921569	
5	1005	Wembley Stadium	Matchday 1	4	1	2.6274509803921569	
5	1006	Arena Nationala	Matchday 1	2	2	2.6274509803921569	
7	1007	Johan Cruyff Arena	Matchday 1	2	1	2.6274509803921569	
3	1008	Hampden Park	Matchday 1	0	1	2.6274509803921569	
9	1009	Aviva Stadium	Matchday 1	1	0	2.6274509803921569	
0	1010	San Mames	Matchday 1	1	3	2.6274509803921569	
1	1011	Puskas Arena	Matchday 1	0	2	2.6274509803921569	
2	1012	Allianz Arena	Matchday 1	2	2	2.6274509803921569	
3	1013	Krestovsky Stadium	Matchday 2	0	2	2.6274509803921569	
4	1014	Olympic Stadium	Matchday 2	1	0	2.6274509803921569	
5	1015	Stadio Olimpico	Matchday 2	3	1	2.6274509803921569	

--Venue ranking on Average goals

```
SELECT v.name AS venue,  
ROUND(AVG(team1_goal + team2_goal), 2) AS avg_goals,  
RANK() OVER(ORDER BY AVG(team1_goal + team2_goal)DESC) AS venue_rank  
FROM venues v  
JOIN scores ON v.id = scores.venue_id  
GROUP BY v.name  
ORDER BY venue_rank
```

	venue character varying (50)	avg_goals numeric	venue_rank bigint
1	Allianz Arena	3.75	1
2	Stadio Olimpico	3.75	1
3	Arena Nationala	3.25	3
4	Wembley Stadium	3.00	4
5	Krestovsky Stadium	2.75	5
6	San Mames	2.50	6
7	Hampden Park	2.50	6
8	Olympic Stadium	2.25	8
9	Johan Cruyff Arena	2.25	8
10	Puskas Arena	2.00	10
11	Aviva Stadium	2.00	10
12	Parken Stadium	1.25	12

--Stage ranking on Average goals

```
SELECT s.name AS stage,  
ROUND(AVG(team1_goal + team2_goal), 2) AS avg_goals,  
RANK() OVER(ORDER BY AVG(team1_goal + team2_goal)DESC) AS stage_rank  
FROM stages s  
JOIN scores ON s.id = scores.stage_id  
GROUP BY s.name  
ORDER BY stage_rank
```

	stage character varying (15)	avg_goals numeric	stage_rank bigint
1	Quarter-Final	3.50	1
2	Matchday 1	2.83	2
3	Matchday 2	2.75	3
4	Round of 16	2.63	4
5	Semi-Final	2.50	5
6	Matchday 3	2.17	6
7	Final	1.00	7

--Partitioning by a column

```
SELECT m.date, scores.venue_id, scores.team1_goal, scores.team2_goal,  
CASE WHEN scores.team1_id = 1 THEN 'home' ELSE 'away' END AS France,  
AVG(team1_goal) OVER(PARTITION BY scores.venue_id) AS homeavg,  
AVG(team2_goal) OVER(PARTITION BY scores.venue_id) AS awayavg  
FROM scores  
JOIN match m ON scores.id = m.id  
JOIN stages s ON scores.stage_id = s.id  
WHERE scores.team1_id = 1  
OR scores.team2_id = 1  
ORDER BY(team1_goal + team2_goal) DESC
```

	Data Output	Explain	Messages	Notifications			
	<div><div>date</div><div>date</div><div></div></div>	<div><div>venue_id</div><div>integer</div><div></div></div>	<div><div>team1_goal</div><div>integer</div><div></div></div>	<div><div>team2_goal</div><div>integer</div><div></div></div>	<div><div>france</div><div>text</div><div></div></div>	<div><div>homeavg</div><div>numeric</div><div></div></div>	<div><div>awayavg</div><div>numeric</div><div></div></div>
1	2020-07-04	1	4	0	away	4.0000000000000000	0.0000000000000000
2	2020-06-13	10	2	2	home	1.0000000000000000	1.5000000000000000
3	2020-06-27	7	1	2	away	1.0000000000000000	2.0000000000000000
4	2020-06-22	10	0	1	away	1.0000000000000000	1.5000000000000000
5	2020-06-18	2	0	0	away	0.0000000000000000	0.0000000000000000

--Assessing Running total of goals and AVG from France when they are team1

```
SELECT m.date, s.team1_goal, team2_goal,  
SUM(team1_goal) OVER(ORDER BY m.date ROWS BETWEEN UNBOUNDED  
PRECEDING AND CURRENT ROW) AS running_total,  
AVG(team1_goal) OVER(ORDER BY m.date ROWS BETWEEN UNBOUNDED  
PRECEDING AND CURRENT ROW) AS running_avg  
FROM scores s  
JOIN match m ON s.id = m.id  
WHERE s.team1_id = 1
```

Data Output		Explain	Messages	Notifications			
	<div>date</div> <div>date</div>	<div>venue_id</div> <div>integer</div>	<div>team1_goal</div> <div>integer</div>	<div>team2_goal</div> <div>integer</div>	<div>france</div> <div>text</div>	<div>homeavg</div> <div>numeric</div>	<div>awayavg</div> <div>numeric</div>
1	2020-07-04	1	4	0	away	4.0000000000000000	0.0000000000000000
2	2020-06-13	10	2	2	home	1.0000000000000000	1.5000000000000000
3	2020-06-27	7	1	2	away	1.0000000000000000	2.0000000000000000
4	2020-06-22	10	0	1	away	1.0000000000000000	1.5000000000000000
5	2020-06-18	2	0	0	away	0.0000000000000000	0.0000000000000000

--Assessing Running total of goals and AVG from France when they are team1

```
SELECT m.date, s.team1_goal, team2_goal,  
SUM(team2_goal) OVER(ORDER BY m.date ROWS BETWEEN UNBOUNDED  
PRECEDING AND CURRENT ROW) AS running_total,  
AVG(team2_goal) OVER(ORDER BY m.date ROWS BETWEEN UNBOUNDED  
PRECEDING AND CURRENT ROW) AS running_avg  
FROM scores s  
JOIN match m ON s.id = m.id  
WHERE s.team2_id = 1
```

	date date	team1_goal integer	team2_goal integer	running_total bigint	running_avg numeric
1	2020-06-18	0	0	0	0.00000000000000000000
2	2020-06-22	0	1	1	0.50000000000000000000
3	2020-06-27	1	2	3	1.00000000000000000000
4	2020-07-04	4	0	3	0.75000000000000000000