MUDAU TSHILIDZI ROJINA

South African Soccer Dataset – SQL Practical

Question 1

Question 2

Question 3

```sql
18
19
20  ---------------------------------------------------------
21  --Q3. List all unique teams in the league
22  select distinct team
23  from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
24
25
26  ---------------------------------------------------------
```

100 %   ● No issues found   Ln: 19   Ch: 1   TABS   CRLF

Results   Messages

	team
1	AmaZulu FC
2	Bloemfontein Celtic
3	Cape Town City
4	Chippa United
5	Golden Arrows
6	Kaizer Chiefs
7	Mamelodi Sundowns
8	Moroka Swallows
9	Orlando Pirates
10	Polokwane City
11	Richards Bay FC
12	Royal AM
13	Sekhukhune United
14	Stellenbosch FC
15	SuperSport United
16	TS Galaxy

● Query executed successfully.   🔒 MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:00 | 16 rows

Ready

Question 4

```sql
24
25
26  ---------------------------------------------------------
27
28
29  --Q4. Count how many players are in each team
30  select team, Count(*) as total_number_of_players_per_team
31  from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
32  group by team;
```

100 %   ● No issues found   Ln: 24   Ch: 1   TABS   CRLF

Results   Messages

	team	total_number_of_players_per_team
1	AmaZulu FC	22
2	Bloemfontein Celtic	17
3	Cape Town City	15
4	Chippa United	21
5	Golden Arrows	23
6	Kaizer Chiefs	20
7	Mamelodi Sundowns	19
8	Moroka Swallows	19
9	Orlando Pirates	9
10	Polokwane City	27
11	Richards Bay FC	13
12	Royal AM	18
13	Sekhukhune United	17
14	Stellenbosch FC	20
15	SuperSport United	20
16	TS Galaxy	20

● Query executed successfully.   🔒 MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:00 | 16 rows

Ready

Question 5

```
33
34
35    --Q5. Identify the top 10 players with the most goals.
36    select top 10 player_name,goals
37        from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
38        order by goals desc;
39
40
41
```

No issues found   Ln: 39   Ch: 1   TABS   CRLF

Results   Messages

	player_name	goals
1	Vusi Molefe	99
2	Thabo Ndlovu	98
3	Gugu Hlongwane	98
4	Thabo Sithole	98
5	Mandla Mabena	98
6	Mpho Mahlangu	97
7	Boitumelo Nkosi	96
8	Mpho Radebe	92
9	Khanyi Nkosi	92
10	Sipho Phiri	91

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   10 rows

Ready

Question 6

```
40
41
42    --------------------------------------------------------------
43    --Q6. Find the average salary for players in each team.
44    select team, avg(cast(average_salary_zar as float)) as average_salary
45        from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
46        group by team;
47
48
```

No issues found   Ln: 48   Ch: 1   TABS   CRLF

Results   Messages

	team	average_salary
1	AmaZulu FC	172467,569545455
2	Bloemfontein Celtic	163683,838823529
3	Cape Town City	208407,432
4	Chippa United	180947,634761905
5	Golden Arrows	199057,643913043
6	Kaizer Chiefs	188954,4615
7	Mamelodi Sundowns	194404,484736842
8	Moroka Swallows	186786,827894737
9	Orlando Pirates	178570,593333333
10	Polokwane City	171738,877777778
11	Richards Bay FC	193006,199230769
12	Royal AM	209078,331111111
13	Sekhukhune United	169945,162941176
14	Stellenbosch FC	182326,7355
15	SuperSport United	195482,9785
16	TS Galaxy	184719,574

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   16 rows

Ready

Question 7

```
47
48
49     --------------------------------------------------------
50     --Q7. Retrieve the top 10 players with the highest market value.
51     select top 10 player_name, market_value_zar
52     from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
53     order by market_value_zar;
54
55     --------------------------------------------------------
```

No issues found   Ln: 54   Ch: 1   TABS   CRLF

Results   Messages

	player_name	market_value_zar
1	Kagiso Mashaba	10143610.76
2	Kabelo Mabena	10165897.84
3	Lindiwe Mabaso	10204385.12
4	Lebogang Tshabalala	10232588.26
5	Kagiso Khumalo	10250362.12
6	Khanyi Baloyi	10481992.09
7	Mandla Mabena	10483151.43
8	Lindiwe Tshabalala	10490972.73
9	Ayanda Molefe	10604204.4
10	Mpho Zulu	1061705.4

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   10 rows

Ready

Question 8

```
54
55     --------------------------------------------------------
56     --Q8. Calculate the average passing accuracy for each position.
57
58     select position, avg(cast(passing_accuracy as float)) as avg_passing_accuracy
59     from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
60     group by position;
61
62     --------------------------------------------------------
```

No issues found   Ln: 61   Ch: 1   TABS   CRLF

Results   Messages

	position	avg_passing_accuracy
1	Defender	82.6642857142857
2	Forward	83.210843373494
3	Goalkeeper	83.9397058823529
4	Midfielder	82.8177215189873

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   4 rows

Ready

Question 9

Question 10

```
62
63      -----------------------------------------------------------------
64      --Q9. Compare shot accuracy with goals to find correlations.
65      select player_name , goals, shot_accuracy
66      from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
67
68
69
70      -----------------------------------------------------------------
```

	player_name	goals	shot_accuracy
1	Siyanda Dlamini	9	83.7
2	Thabo Ndlovu	98	68.4
3	Vusi Molefe	99	79.0
4	Thembi Mahlangu	1	42.9
5	Nokuthula Sithole	2	74.0
6	Thembi Sithole	3	70.7
7	Siyanda Mahlangu	6	54.2
8	Lerato Mashaba	77	68.5
9	Nomsa Mahlangu	80	56.1
10	Tumelo Khumalo	48	46.0
11	Gugu Molefe	7	83.2
12	Thembi Mokoena	1	56.7
13	Thabo Sithole	14	80.6
14	Gugu Mabena	4	80.0
15	Kagiso Phiri	41	73.2
16	Thembi Tshabalala	7	76.7
17	Sibusiso Molefe	48	51.1

Query executed successfully.

Question 11


```
69
70      -----------------------------------------------------------------
71      --Q10. Compute total goals and assists for each team.
72      select team,
73      sum(cast(goals as int)) as total_goals,
74      sum(cast(assists as int)) as total_assists
75      from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
76      group by team;
77
```

	team	total_goals	total_assists
1	AmaZulu FC	546	568
2	Bloemfontein Celtic	613	566
3	Cape Town City	374	284
4	Chippa United	684	205
5	Golden Arrows	676	519
6	Kaizer Chiefs	597	481
7	Mamelodi Sundowns	570	475
8	Moroka Swallows	729	452
9	Orlando Pirates	170	225
10	Polokwane City	1300	783
11	Richards Bay FC	453	273
12	Royal AM	544	480
13	Sekhukhune United	842	608
14	Stellenbosch FC	725	514
15	SuperSport United	580	514
16	TS Galaxy	541	337

Query executed successfully.

	marital_status	players_by_marital_status
1	Divorced	78
2	Married	65
3	Single	79
4	Widowed	78

Question 12

```
--Q12. Count players by nationality
select  nationality , count(*) as players_by_nationality
from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
group by nationality;
```

	nationality	players_by_nationality
1	Ghanaian	47
2	Malawian	42
3	Mozambican	37
4	Nigerian	39
5	South African	46
6	Zambian	44
7	Zimbabwean	45

Question 13

```
 93    ----------------------------------------
 94
 95    --Q13. Find average market value grouped by nationality
 96    select nationality, avg(cast(market_value_zar as float)) as markert_value_by_nationality
 97    from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
 98    group by nationality;
 99
100
101
```

100 %   ✔ No issues found   Ln: 98   Ch: 22   TABS   CRLF

Results   Messages

	nationality	markert_value_by_nationality
1	Ghanaian	12298308,0365957
2	Malawian	11727296,0554762
3	Mozambican	14736203,5943243
4	Nigerian	15069261,3964103
5	South African	12037870,2363043
6	Zambian	12777043,0611364
7	Zimbabwean	10367909,5322222

✔ Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   7 rows

Ready

Type here to search   15°C   ENG INTL   00:20 2025/11/25

Question 14

```
101
102    ----------------------------------------------------------
103    --Q14. Determine how many player contracts end in each year.
104    select contract_end_year,
105    count(*) as players_by_year
106    from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
107    group by contract_end_year;
108
109
```

100 %   ✔ No issues found   Ln: 108   Ch: 1   TABS   CRLF

Results   Messages

	contract_end_year	players_by_year
1	2026	63
2	2027	70
3	2028	52
4	2029	50
5	2030	65

✔ Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   5 rows

Ready

Type here to search   15°C   ENG INTL   00:21 2025/11/25

Question 15

```
109
110    ∨ ---------------------------------------------------------
111      --Q15. Identify players whose contracts end next year.
112    ∨ select player_name, contract_end_year
113      from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
114      where contract_end_year ='2026';
115
116
117    ∨ ---------------------------------------------------------
```

	player_name	contract_end_year
1	Siyanda Dlamini	2026
2	Vusi Molefe	2026
3	Nokuthula Sithole	2026
4	Siyanda Mahlangu	2026
5	Nomsa Mahlangu	2026
6	Thembi Mokoena	2026
7	Thabo Sithole	2026
8	Kagiso Phiri	2026
9	Thembi Tshabalala	2026
10	Mandla Baloyi	2026
11	Tumelo Mokoena	2026
12	Thembi Mashaba	2026
13	Lerato Mabena	2026
14	Lindiwe Radebe	2026
15	Sipho Ndlovu	2026
16	Lebogang Phiri	2026
17	Sibusiso Radebe	2026

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   63 rows

Question 16

```
115
116
117    ∨ ---------------------------------------------------------
118      --Q16. Summarize the number of players by injury status.
119    ∨ select injury_status, count(*) as number_of_players_by_injury_status
120      from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
121      group by injury_status;
122
123
```

	injury_status	number_of_players_by_injury_status
1	Healthy	99
2	Injured	97
3	Recovering	104

Query executed successfully.   MASALA2 (16.0 RTM)   MASALA2\HP (58)   soccerDb3   00:00:00   3 rows

Question 17

```
124
125    ---------------------------------------------
       --Q17. Calculate goals per match ratio for each player.
126    select player_name, goals,
127    cast(matches_played as int),
128    (goals/cast(matches_played as int )) as ratio_per_player
129    from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
130
131    ---------------------------------------------
132    --Q18. Count how many players are managed by each agent.
```

100 %   ✓ No issues found   Ln: 132   Ch: 34   TABS   CRLF

Results | Messages

	player_name	goals	(No column name)	ratio_per_player
1	Siyanda Dlamini	9	53	0
2	Thabo Ndlovu	98	272	0
3	Vusi Molefe	99	398	0
4	Thembi Mahlangu	1	135	0
5	Nokuthula Sithole	2	116	0
6	Thembi Sithole	3	279	0
7	Siyanda Mahlangu	6	18	0
8	Lerato Mashaba	77	241	0
9	Nomsa Mahlangu	80	322	0
10	Tumelo Khumalo	48	252	0
11	Gugu Molefe	7	379	0
12	Thembi Mokoena	1	296	0
13	Thabo Sithole	14	229	0
14	Gugu Mabena	4	155	0
15	Kagiso Phiri	41	175	0
16	Thembi Tshabalala	7	324	0
17	Sibusiso Molefe	48	349	0
18	Lerato Tshabalala	10	158	0

✓ Query executed successfully.   🔒 MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:00 | 300 rows

Question 18

```
131    ---------------------------------------------
132    --Q18. Count how many players are managed by each agent.
133    select agent, count(*) as players_managed
134    from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
135    group by agent;
136
137
138
139    ---------------------------------------------
```

100 %   ✓ No issues found   Ln: 138   Ch: 1   TABS   CRLF

Results | Messages

	agent	players_managed
1	None	62
2	PlayerFirst	63
3	ProSport	62
4	SA Elite Agents	51
5	SoccerLink Africa	62

✓ Query executed successfully.   🔒 MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:00 | 5 rows

Question 19

```
138
139   ------------------------------------------------------
140   --Q19. Calculate average height and weight by player position.
141   select position,
142   avg(height_cm) as avg_height,
143   avg(weight_kg) as avg_weight
144   from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
145   group by position;
146   ------------------------------------------------------
```

100 % ● No issues found   Ln: 145   Ch: 19   TABS   CRLF

Results | Messages

	position	avg_height	avg_weight
1	Defender	182	78
2	Forward	179	78
3	Goalkeeper	179	78
4	Midfielder	179	76

● Query executed successfully.   MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:03 | 4 rows

Ready

Question 20

```
147   --Q20. Identify players with the highest combined goals and assists
148   select top 10 player_name, goals, assists,
149   (goals + assists) as highest_goals
150   from [soccerDb3].[dbo].[ketro_sa_soccer_dataset_advanced]
151   order by highest_goals desc;
152
153
154
155
```

100 % ● No issues found   Ln: 155   Ch: 1   TABS   CRLF

Results | Messages

	player_name	goals	assists	highest_goals
1	Vusi Molefe	99	77	9977
2	Gugu Hlongwane	98	38	9838
3	Mandla Mabena	98	37	9837
4	Thabo Ndlovu	98	28	9828
5	Thabo Sithole	98	2	982
6	Khanyi Ndlovu	9	75	975
7	Mpho Mahlangu	97	4	974
8	Tumelo Dlamini	9	7	97
9	Mandla Sithole	9	7	97
10	Boitumelo Nkosi	96	54	9654

● Query executed successfully.   MASALA2 (16.0 RTM) | MASALA2\HP (58) | soccerDb3 | 00:00:00 | 10 rows

Ready