

NTSHEMBO MALUEKE

Practical : Practical - Microsoft SQL Server

Q1

Object Explorer: sa_soccer

Query: `SELECT TOP 100 *
FROM dbo.sa_soccer_dataset;`

Results:

player_name	team	date_of_birth	age	marital_status	number_of_kids	nationality	country_of_birth	position	preferred_foot	height_cm	weight_kg	jersey_number	injury
1	Siyanda Dlamini	1995-05-28	30	Widowed	0	South African	South African	Defender	Right	167	71	35	Rec
2	Thabo Ndlovu	2004-06-01	21	Single	1	Zimbabwean	Zimbabwean	Forward	Right	183	73	40	Rec
3	Vusi Molefe	2006-09-20	19	Single	0	Nigerian	Nigerian	Forward	Left	167	66	65	Rec
4	Thembi Mahlangu	2004-02-08	21	Divorced	0	Zambian	Zambian	Goalkeeper	Left	166	93	24	Injur
5	Nokuthula Sithole	2003-03-18	22	Divorced	3	Nigerian	Nigerian	Goalkeeper	Both	193	88	79	Injur
6	Thembi Sithole	1989-02-14	36	Married	2	Nigerian	Nigerian	Goalkeeper	Left	193	79	54	Hea
7	Siyanda Mahlangu	1989-12-09	36	Single	0	Zambian	Zambian	Defender	Both	181	67	27	Hea
8	Lerato Mashaba	1998-01-31	27	Widowed	0	Ghanaian	Ghanaian	Forward	Right	181	65	85	Hea
9	Nomsa Mahlangu	1991-07-16	34	Divorced	0	Malawian	Malawian	Forward	Left	171	81	63	Rec
10	Tumelo Khumalo	1996-08-28	29	Married	4	Malawian	Malawian	Forward	Both	175	95	62	Hea
11	Gugu Molele	2007-01-29	18	Widowed	0	South African	South African	Defender	Left	188	85	32	Rec
12	Thembi Mokoena	1995-07-03	30	Widowed	0	Zimbabwean	Zimbabwean	Goalkeeper	Right	175	92	42	Hea
13	Thabo Sithole	2000-12-17	25	Single	0	Zimbabwean	Zimbabwean	Midfielder	Both	173	61	37	Rec

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 100 rows

Q2

Query: `--South African Soccer Dataset - SQL- By Ntshembo Maluleke

-- 1. View first 100 rows
SELECT TOP 100 *
FROM dbo.sa_soccer_dataset;

-- 2. Count total number of players
SELECT COUNT(*) AS total_players
FROM dbo.sa_soccer_dataset;`

Results:

total_players
300

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 1 rows

Q3

Object Explorer: Connect, DELL-ROY\SQLEXPRESS (SQL Serv, Databases, System Databases, Database Snapshots, sa_soccer, Database Diagrams, Tables, System Tables, FileTables, External Tables, Graph Tables, dbo.sa_soccer_dataset, Views, External Resources, Synonyms, Programmability, Query Store, Service Broker, Storage, Security, Server Objects, Replication, Management, XEvent Profiler

SQLQuery2.s...Dallas (70))*

```
7 FROM dbo.sa_soccer_dataset;
8
9
10
11 -- 2. Count total number of players
12 SELECT COUNT(*) AS total_players
13 FROM dbo.sa_soccer_dataset;
14
15
16 -- 3. List all unique teams
17 SELECT DISTINCT team
18 FROM dbo.sa_soccer_dataset
19 ORDER BY team;
```

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

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 16 rows

Q4

Object Explorer: Connect, DELL-ROY\SQLEXPRESS (SQL Serv, Databases, System Databases, Database Snapshots, sa_soccer, Database Diagrams, Tables, System Tables, FileTables, External Tables, Graph Tables, dbo.sa_soccer_dataset, Views, External Resources, Synonyms, Programmability, Query Store, Service Broker, Storage, Security, Server Objects, Replication, Management, XEvent Profiler

SQLQuery2.s...Dallas (70))*

```
16
17 -- 3. List all unique teams
18 SELECT DISTINCT team
19 FROM dbo.sa_soccer_dataset
20 ORDER BY team;
21
22
23
24 -- 4. Count how many players are in each team
25 SELECT team, COUNT(*) AS players_per_team
26 FROM dbo.sa_soccer_dataset
27 GROUP BY team
28 ORDER BY players_per_team DESC;
```

Results: Messages

	team	players_per_team
1	Polokwane City	27
2	Golden Arrows	23
3	Amazulu FC	22
4	Chippa United	21
5	Stellenbosch FC	20
6	SuperSport United	20
7	TS Galaxay	20
8	Kaizer Chiefs	20
9	Mamelodi Sundowns	19
10	Moroka Swallows	19
11	Royal AM	18
12	Sekhukhune United	17
13	Bloemfontein Celtic	17

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 16 rows

Q5

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'DELL-ROY\SQLEXPRESS (SQL Serv...'. The main query window shows the following SQL code:

```
-- 4. Count how many players are in each team
SELECT team, COUNT(*) AS players_per_team
FROM dbo.sa_soccer_dataset
GROUP BY team
ORDER BY players_per_team DESC;

-- 5. Top 10 players with most goals
SELECT TOP 10 player_name, goals
FROM dbo.sa_soccer_dataset
ORDER BY goals DESC;
```

The Results pane shows the output of the second query, displaying the top 10 players by goals:

player_name	goals
1 Siyanda Mabena	118
2 Kagiso Phiri	117
3 Zanele Phiri	117
4 Zanele Molefe	116
5 Nokuthula Mabena	114
6 Lindiwe Molefe	114
7 Nokuthula Mthembu	114
8 Karabo Phiri	114
9 Lindiwe Radebe	113
10 Vusi Mabena	113

The status bar at the bottom indicates 'Query executed successfully.' and 'DELL-ROY\SQLEXPRESS (16.0 RTM) | DELL-ROY\Dallas (70) | sa_soccer | 00:00:00 | Row: 1, Col: 1 | 10 rows'.

Q6

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'DELL-ROY\SQLEXPRESS (SQL Serv...'. The main query window shows the following SQL code:

```
-- 5. Top 10 players with most goals
SELECT TOP 10 player_name, goals
FROM dbo.sa_soccer_dataset
ORDER BY goals DESC;

-- 6. Average salary per team
SELECT team, AVG(average_salary_zar) AS avg_salary_zar
FROM dbo.sa_soccer_dataset
GROUP BY team
ORDER BY avg_salary_zar DESC;
```

The Results pane shows the output of the second query, displaying the average salary per team:

team	avg_salary_zar
1 Royal AM	209078.330729167
2 Cape Town City	208407.431770833
3 Golden Arrows	199057.843851902
4 SuperSport United	195482.980664062
5 Mamelodi Sundowns	194404.484375
6 Richards Bay FC	193006.200270433
7 Kaizer Chiefs	188954.461621094
8 Moroka Swallows	186786.828330592
9 TS Galaxy	184719.574609375
10 Stellenbosch FC	182326.734960937
11 Chippa United	180947.63374256
12 Orlando Pirates	178570.592881944
13 AmaZulu FC	172467.567826705

The status bar at the bottom indicates 'Query executed successfully.' and 'DELL-ROY\SQLEXPRESS (16.0 RTM) | DELL-ROY\Dallas (70) | sa_soccer | 00:00:00 | Row: 1, Col: 1 | 16 rows'.

Q7

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70))*' and 'SQLQuery1.sq...\\Dallas (60))*'. The active tab contains the following SQL code:

```
40 SELECT team, AVG(average_salary_zar) AS avg_salary_zar
41 FROM dbo.sa_soccer_dataset
42 GROUP BY team
43 ORDER BY avg_salary_zar DESC;
44
45 -----
46
47 -- 7. Top 10 players with highest market value
48 SELECT TOP 10 player_name, market_value_zar
49 FROM dbo.sa_soccer_dataset
50 ORDER BY market_value_zar DESC;
51
52 -----
53
54 -- 8. Average passing accuracy per position
```

The results grid for the first query (lines 40-43) is displayed below the code:

	player_name	market_value_zar
1	Ayanda Mabaso	24979190
2	Lebogang Mabena	24887822
3	Gugu Mashaba	24868294
4	Kagiso Mokoena	24550182
5	Boitumelo Radebe	24540830
6	Thabo Ndlovu	24380712
7	Sipho Mashaba	24342132
8	Lerato Ngobeni	24231618
9	Thabo Tshabalala	24229792
10	Lerato Tshabalala	24226786

The status bar at the bottom indicates: 'Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) | DELL-ROY\\Dallas (70) | sa_soccer | 00:00:00 | Row: 1, Col: 1 | 10 rows'.

Q8

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70))*' and 'SQLQuery1.sq...\\Dallas (60))*'. The active tab contains the following SQL code:

```
46
47 -- 7. Top 10 players with highest market value
48 SELECT TOP 10 player_name, market_value_zar
49 FROM dbo.sa_soccer_dataset
50 ORDER BY market_value_zar DESC;
51
52 -----
53
54 -- 8. Average passing accuracy per position
55 SELECT position, AVG(passing_accuracy) AS avg_passing_accuracy
56 FROM dbo.sa_soccer_dataset
57 GROUP BY position
58 ORDER BY avg_passing_accuracy DESC;
59
60 -----
```

The results grid for the second query (lines 55-58) is displayed below the code:

	position	avg_passing_accuracy
1	Goalkeeper	83.9397055682014
2	Forward	83.210843373494
3	Midfielder	82.817721596247
4	Defender	82.6642859322684

The status bar at the bottom indicates: 'Ln: 55, Ch: 1 | (146 chars, 4 lines) | SPC | CRLF | Windows 1252'.

Q9

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70)*' and 'SQLQuery1.sq...Dallas (60)*'. The active tab displays a SQL query for Q9. The query consists of two parts: an 8th query about average passing accuracy and a 9th query about comparing shot accuracy with goals. The results pane shows the output of the 9th query, which lists 13 players with their shot accuracy and goals. The status bar at the bottom indicates the query was executed successfully on a Dell-Roy\SQLExpress (16.0 RTM) instance, with 300 rows returned.

```
-- 8. Average passing accuracy per position
SELECT position, AVG(passing_accuracy) AS avg_passing_accuracy
FROM dbo.sa_soccer_dataset
GROUP BY position
ORDER BY avg_passing_accuracy DESC;

-- 9. Compare shot accuracy with goals
SELECT player_name, shot_accuracy, goals
FROM dbo.sa_soccer_dataset;
```

	player_name	shot_accuracy	goals
1	Siyanda Dlamini	83.6999969482422	9
2	Thabo Ndlovu	68.4000015258789	98
3	Vusi Molefe	79	99
4	Thembi Mahlangu	42.9000015258789	1
5	Nokuthula Sithole	74	2
6	Thembi Sithole	70.6999969482422	3
7	Siyanda Mahlangu	54.2000007629395	6
8	Lerato Mashaba	68.5	77
9	Nomsa Mahlangu	56.0999984741211	80
10	Tumelo Khumalo	46	48
11	Gugu Molefe	83.1999969482422	7
12	Thembi Mokoena	56.7000007629395	1
13	Thabo Sithole	80.5999984741211	14

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 300 rows

Q10

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70)*' and 'SQLQuery1.sq...Dallas (60)*'. The active tab displays a SQL query for Q10. The query consists of two parts: a 10th query about total goals and assists per team, and an 11th query about counting players by marital status. The results pane shows the output of the 10th query, which lists 13 teams with their total goals and total assists. The status bar at the bottom indicates the query was executed successfully on a Dell-Roy\SQLExpress (16.0 RTM) instance, with 16 rows returned.

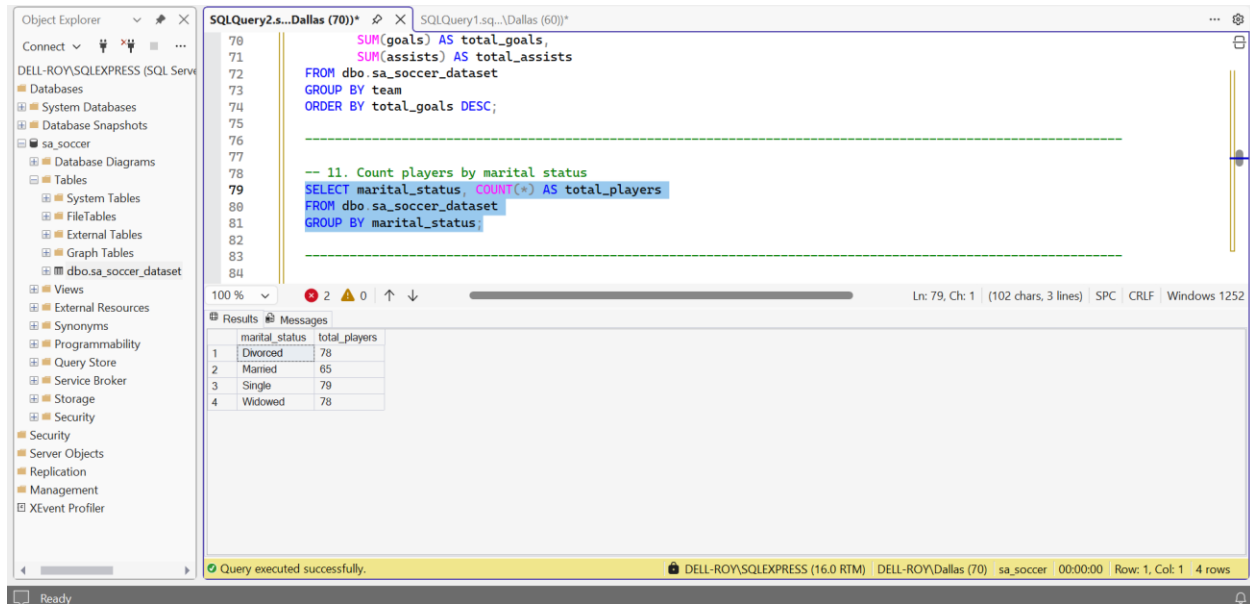
```
-- 10. Total goals and assists per team
SELECT team,
SUM(goals) AS total_goals,
SUM(assists) AS total_assists
FROM dbo.sa_soccer_dataset
GROUP BY team
ORDER BY total_goals DESC;

-- 11. Count players by marital status
```

	team	total_goals	total_assists
1	Polokwane City	1300	783
2	Sekhukhune United	842	608
3	Moroka Swallows	729	452
4	Stellenbosch FC	725	514
5	Chippa United	684	205
6	Golden Arrows	676	519
7	Bloemfontein Celtic	613	566
8	Kaizer Chiefs	597	481
9	SuperSport United	580	514
10	Mamelodi Sundowns	570	475
11	Amazulu FC	546	588
12	Royal AM	544	480
13	TS Galaxy	541	337

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 16 rows

Q11



Object Explorer

Connect

DELL-ROY\SQLEXPRESS (SQL Serv

Databases

System Databases

Database Snapshots

sa_soccer

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.sa_soccer_dataset

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

Security

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery2.s...Dallas (70)]*

SQLQuery1.sq...Dallas (60)]*

```
70      SUM(goals) AS total_goals,
71      SUM(assists) AS total_assists
72  FROM dbo.sa_soccer_dataset
73  GROUP BY team
74  ORDER BY total_goals DESC;
75
76  -----
77
78  -- 11. Count players by marital status
79  SELECT marital_status, COUNT(*) AS total_players
80  FROM dbo.sa_soccer_dataset
81  GROUP BY marital_status;
82
83  -----
84
```

100 %

Ln: 79, Ch: 1 | (102 chars, 3 lines) | SPC | CRLF | Windows 1252

Results

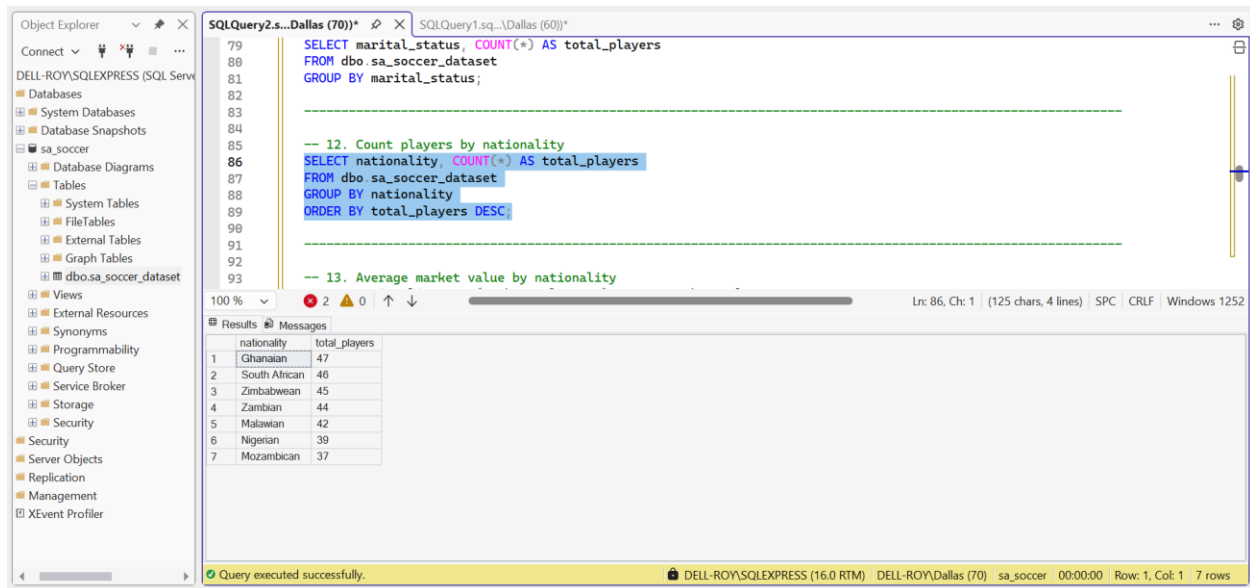
marital_status	total_players
1 Divorced	78
2 Married	65
3 Single	79
4 Widowed	78

Query executed successfully.

DELL-ROY\SQLEXPRESS (16.0 RTM) | DELL-ROY\Dallas (70) | sa_soccer | 00:00:00 | Row: 1, Col: 1 | 4 rows

Ready

Q12



Object Explorer

Connect

DELL-ROY\SQLEXPRESS (SQL Serv

Databases

System Databases

Database Snapshots

sa_soccer

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.sa_soccer_dataset

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

Security

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery2.s...Dallas (70)]*

SQLQuery1.sq...Dallas (60)]*

```
79  SELECT marital_status, COUNT(*) AS total_players
80  FROM dbo.sa_soccer_dataset
81  GROUP BY marital_status;
82
83  -----
84
85  -- 12. Count players by nationality
86  SELECT nationality, COUNT(*) AS total_players
87  FROM dbo.sa_soccer_dataset
88  GROUP BY nationality
89  ORDER BY total_players DESC;
90
91  -----
92
93  -- 13. Average market value by nationality
```

100 %

Ln: 86, Ch: 1 | (125 chars, 4 lines) | SPC | CRLF | Windows 1252

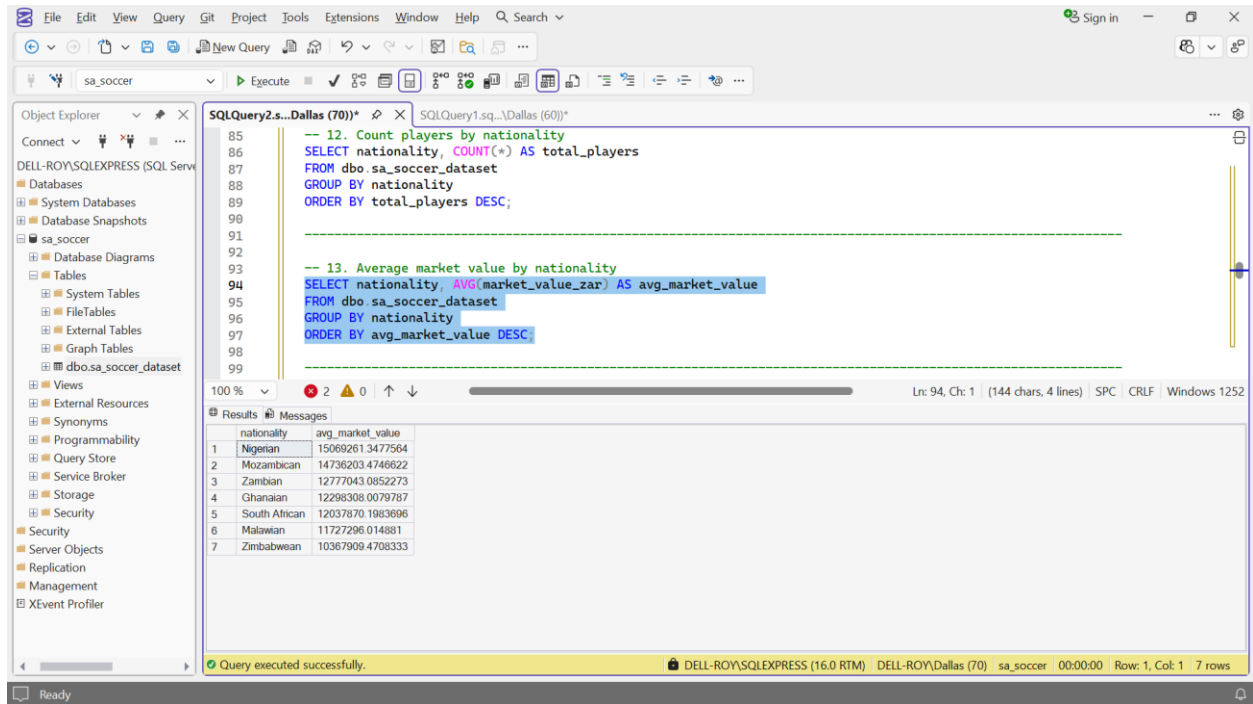
Results

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

Query executed successfully.

DELL-ROY\SQLEXPRESS (16.0 RTM) | DELL-ROY\Dallas (70) | sa_soccer | 00:00:00 | Row: 1, Col: 1 | 7 rows

Q13



Object Explorer: sa_soccer

SQLQuery2.s...Dallas (70))*

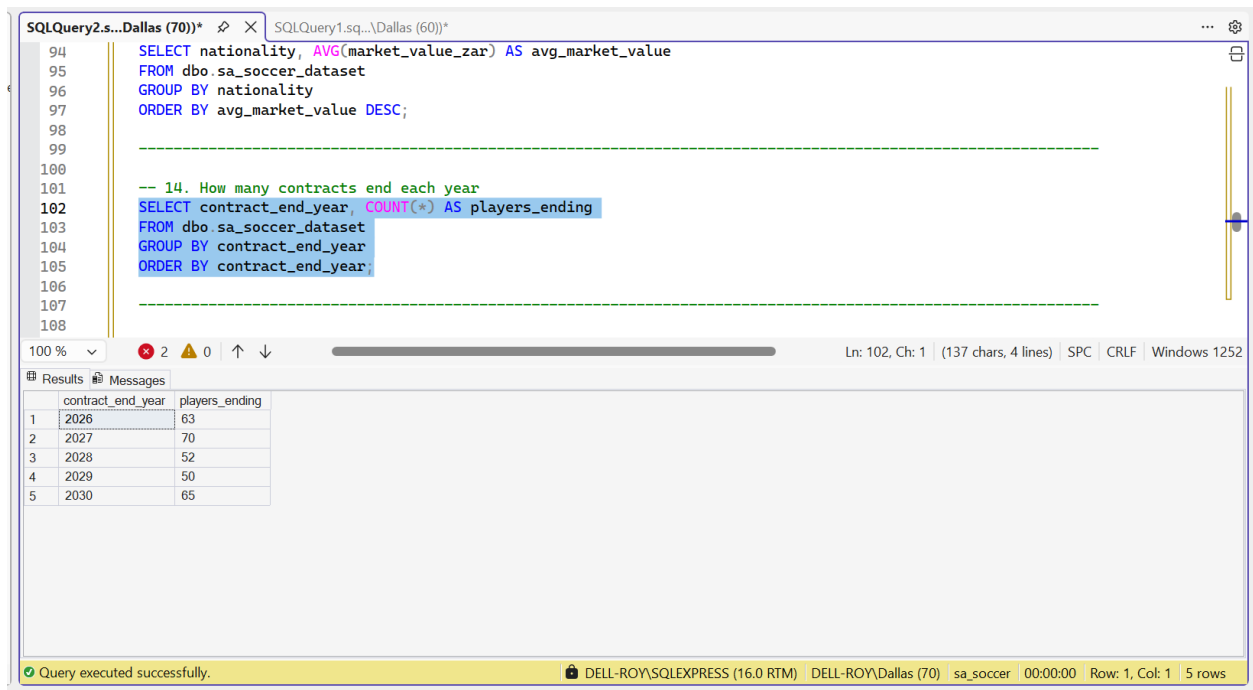
```
85 -- 12. Count players by nationality
86 SELECT nationality, COUNT(*) AS total_players
87 FROM dbo.sa_soccer_dataset
88 GROUP BY nationality
89 ORDER BY total_players DESC;
90
91
92
93
94 -- 13. Average market value by nationality
95 SELECT nationality, AVG(market_value_zar) AS avg_market_value
96 FROM dbo.sa_soccer_dataset
97 GROUP BY nationality
98 ORDER BY avg_market_value DESC;
99
```

Results

	nationality	avg_market_value
1	Nigerian	15069261.3477564
2	Mozambican	14736203.4746622
3	Zambian	12777043.0852273
4	Ghanaian	12296308.0079787
5	South African	12037870.1983696
6	Malawian	11727296.014881
7	Zimbabwean	10367909.4708333

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 7 rows

Q14



SQLQuery2.s...Dallas (70))*

```
94 SELECT nationality, AVG(market_value_zar) AS avg_market_value
95 FROM dbo.sa_soccer_dataset
96 GROUP BY nationality
97 ORDER BY avg_market_value DESC;
98
99
100
101 -- 14. How many contracts end each year
102 SELECT contract_end_year, COUNT(*) AS players_ending
103 FROM dbo.sa_soccer_dataset
104 GROUP BY contract_end_year
105 ORDER BY contract_end_year;
106
107
108
```

Results

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

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 5 rows

Q15

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70))' and 'SQLQuery1.sq...\\Dallas (60))'. The active query window contains the following SQL code:

```
-- 14. How many contracts end each year
SELECT contract_end_year, COUNT(*) AS players_ending
FROM dbo.sa_soccer_dataset
GROUP BY contract_end_year
ORDER BY contract_end_year;

-- 15. Players whose contracts end next year
SELECT player_name, team, contract_end_year
FROM dbo.sa_soccer_dataset
WHERE contract_end_year = YEAR(GETDATE()) + 1;
```

The results grid shows the following data:

	player_name	team	contract_end_year
1	Siyanda Dlamini	Stellenbosch FC	2026
2	Vusi Molefe	Stellenbosch FC	2026
3	Nokuthula Sithole	Polokwane City	2026
4	Siyanda Mahlangu	Chippa United	2026
5	Nomsa Mahlangu	Polokwane City	2026
6	Thembi Mokoena	Stellenbosch FC	2026
7	Thabo Sithole	Bloemfontein Celtic	2026
8	Kagiso Phiri	Bloemfontein Celtic	2026
9	Thembi Tshabalala	Cape Town City	2026
10	Mandla Baloyi	Kaizer Chiefs	2026
11	Tumelo Mokoena	SuperSport United	2026
12	Thembi Mashaba	Orlando Pirates	2026
13	Lerato Mabena	Cape Town City	2026

The status bar at the bottom indicates: 'Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 63 rows'.

Q16

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.s...Dallas (70))' and 'SQLQuery1.sq...\\Dallas (60))'. The active query window contains the following SQL code:

```
-- 15. Players whose contracts end next year
SELECT player_name, team, contract_end_year
FROM dbo.sa_soccer_dataset
WHERE contract_end_year = YEAR(GETDATE()) + 1;

-- 16. Number of players by injury status
SELECT injury_status, COUNT(*) AS total_players
FROM dbo.sa_soccer_dataset
GROUP BY injury_status;
```

The results grid shows the following data:

	injury_status	total_players
1	Healthy	99
2	Injured	97
3	Recovering	104

The status bar at the bottom indicates: 'Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 3 rows'.

Q17

SQLQuery2.s...Dallas (70))* SQLQuery1.sq...Dallas (60))*

```
118 FROM dbo.sa_soccer_dataset
119 GROUP BY injury_status;
120
121
122
123 -- 17. Goals per match ratio per player
124 SELECT player_name,
125        goals,
126        matches_played,
127        CAST(goals AS FLOAT) / NULLIF(matches_played, 0) AS goals_per_match
128 FROM dbo.sa_soccer_dataset
129 ORDER BY goals_per_match DESC;
130
131
132
```

100 % 2 0 ↑ ↓ Ln: 124, Ch: 1 (194 chars, 6 lines) SPC CRLF Windows 1252

Results Messages

	player_name	goals	matches_played	goals_per_match
1	Thembu Zulu	72	3	24
2	Thabo Mthembu	88	5	17.6
3	Gugu Tshabalala	57	9	6.33333333333333
4	Lindiwe Mabaso	67	13	5.15384615384615
5	Mpho Zulu	5	1	5
6	Sipho Tshabalala	110	26	4.23076923076923
7	Botumelo Nkosi	96	25	3.84
8	Karabo Tshabalala	106	30	3.53333333333333
9	Lindiwe Zulu	34	11	3.09090909090909
10	Sipho Phiri	91	33	2.75757575757576
11	Sipho Dlamini	43	22	1.95454545454545
12	Ayanda Sithole	107	60	1.78333333333333
13	Nomsa Mashaba	90	58	1.55172413793103

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 300 rows

Q18

SQLQuery2.s...Dallas (70))* SQLQuery1.sq...Dallas (60))*

```
124 SELECT player_name,
125        goals,
126        matches_played,
127        CAST(goals AS FLOAT) / NULLIF(matches_played, 0) AS goals_per_match
128 FROM dbo.sa_soccer_dataset
129 ORDER BY goals_per_match DESC;
130
131
132
133 -- 18. Count players per agent
134 SELECT agent, COUNT(*) AS players_managed
135 FROM dbo.sa_soccer_dataset
136 GROUP BY agent
137 ORDER BY players_managed DESC;
138
```

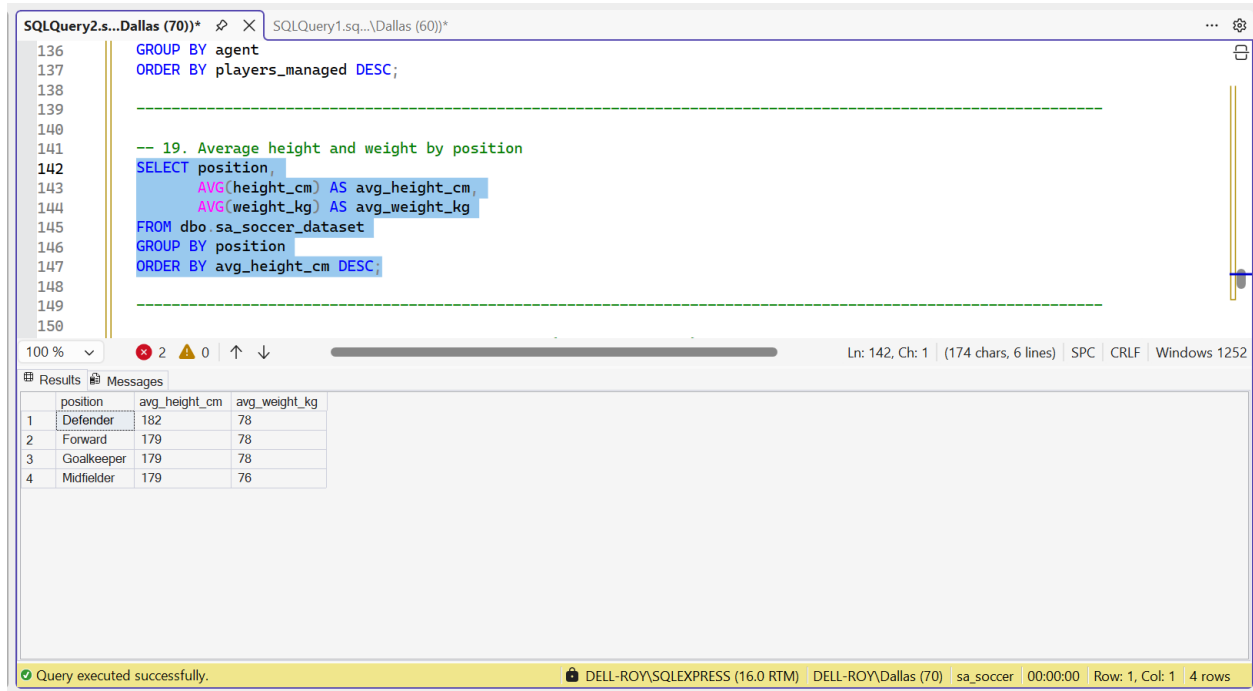
100 % 2 0 ↑ ↓ Ln: 134, Ch: 1 (117 chars, 4 lines) SPC CRLF Windows 1252

Results Messages

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

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 5 rows

Q19



```
136      GROUP BY agent
137      ORDER BY players_managed DESC;
138
139      -----
140
141      -- 19. Average height and weight by position
142      SELECT position,
143             AVG(height_cm) AS avg_height_cm,
144             AVG(weight_kg) AS avg_weight_kg
145      FROM dbo.sa_soccer_dataset
146      GROUP BY position
147      ORDER BY avg_height_cm DESC;
148
149      -----
150
```

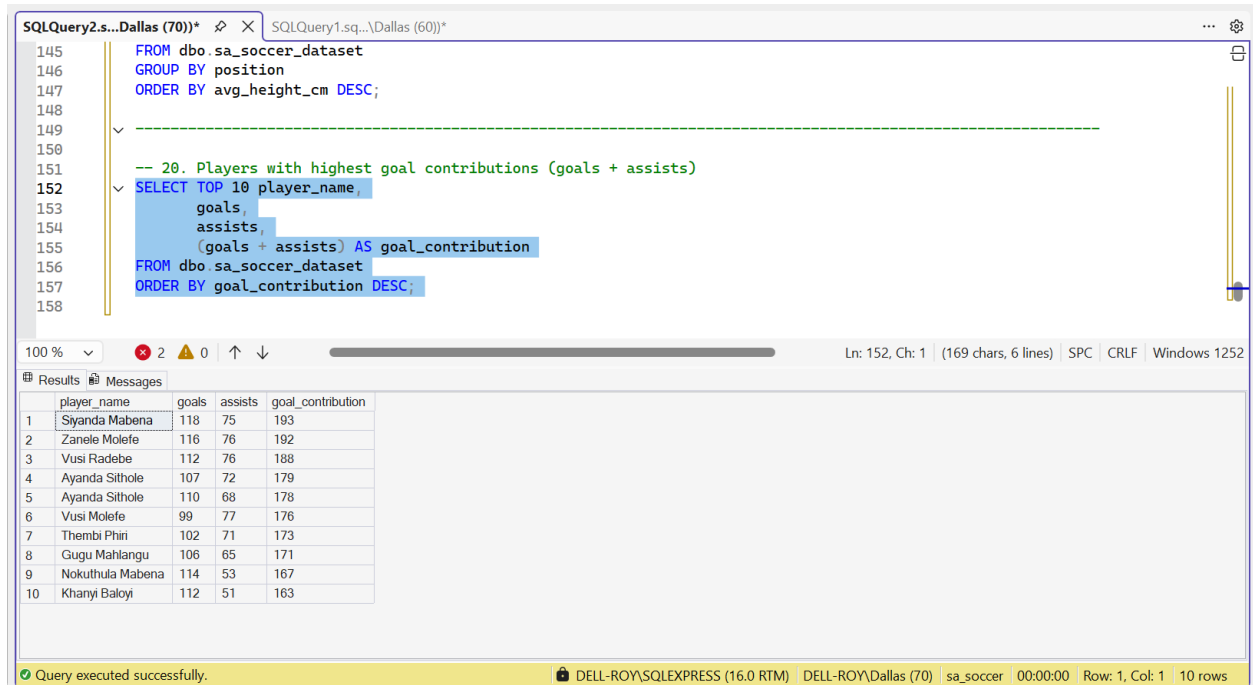
100 % 2 0 100 % Ln: 142, Ch: 1 (174 chars, 6 lines) SPC CRLF Windows 1252

Results Messages

	position	avg_height_cm	avg_weight_kg
1	Defender	182	78
2	Forward	179	78
3	Goalkeeper	179	78
4	Midfielder	179	76

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 4 rows

Q20



```
145      FROM dbo.sa_soccer_dataset
146      GROUP BY position
147      ORDER BY avg_height_cm DESC;
148
149      -----
150
151      -- 20. Players with highest goal contributions (goals + assists)
152      SELECT TOP 10 player_name,
153             goals,
154             assists,
155             (goals + assists) AS goal_contribution
156      FROM dbo.sa_soccer_dataset
157      ORDER BY goal_contribution DESC;
158
```

100 % 2 0 100 % Ln: 152, Ch: 1 (169 chars, 6 lines) SPC CRLF Windows 1252

Results Messages

	player_name	goals	assists	goal_contribution
1	Siyanda Mabena	118	75	193
2	Zanele Molefe	116	76	192
3	Vusi Radebe	112	76	188
4	Ayanda Sithole	107	72	179
5	Ayanda Sithole	110	68	178
6	Vusi Molefe	99	77	176
7	Thembi Phiri	102	71	173
8	Gugu Mahlangu	106	65	171
9	Nokuthula Mabena	114	53	167
10	Khanyi Baloyi	112	51	163

Query executed successfully. DELL-ROY\SQLEXPRESS (16.0 RTM) DELL-ROY\Dallas (70) sa_soccer 00:00:00 Row: 1, Col: 1 10 rows