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Object Explorer

Connect

DESKTOP-PPGTAJ6 (SQL Server 17.0.1000.7 - DESKTOP-PPGTAJ6)

Databases

Security

Server Objects

Replication

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

TOTsql - DE...Lenovo (66)

```
142 --18 Count how many players are managed by each agent.
143
144 SELECT COUNT(*) agent
145 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
146 GROUP BY agent;
147
148 --19. Calculate average height and weight by player position
149 SELECT position, AVG(height_cm) AS AVG_HEIGHT, AVG(weight_kg) AS AVG_WEIGHT
150 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
151 GROUP BY position;
152
153 --20. Identify players with the highest combined goals and assists.
154 SELECT
155     player_name,
156     (goals + assists) AS total_contributions
157 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
158 ORDER BY total_contributions DESC;
```

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Results Messages

7	0.00727272727272727	Ayanda Zulu
8	0.1	Botumelo Mob...

(No column name)	agent
1	62
2	63
3	62
4	51
5	62

position	AVG_HEIGHT	AVG_WEIGHT
1	Defender	182
2	Forward	179
3	Goalke...	179
4	Midfielder	179

player_name	total_contributions
-------------	---------------------

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TOTsql - DE...Lenovo (66)

```
121  
122 --15.15. Identify players whose contracts end next year.  
123 SELECT  
124     Team,  
125     COUNT(*) AS NumPlayers,  
126     YEAR(contract_end_year) AS ContractEndYear  
127 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]  
128 WHERE YEAR(contract_end_year) = YEAR(GETDATE()) + 1  
129 GROUP BY Team, YEAR(contract_end_year)  
130 ORDER BY ContractEndYear, NumPlayers DESC;  
131  
132 --16 Summarize the number of players by injury status.  
133 SELECT COUNT(*) AS Players, injury_status  
134 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]  
135 GROUP BY injury_status;  
136  
137 --17 . Calculate goals per match ratio for each player.  
138 SELECT SUM(CAST([goals] AS FLOAT)/matches_played) AS match_ratio, player_name  
139 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
```

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Results Messages

7	0.007272727272727272	Ayanda Zulu
8	0.1	Botumelo Mob...

(No column name)	agent	
1	62	None
2	63	PlayerFirst
3	62	ProSport
4	51	SA Elite ...
5	62	SoccerL...

position	AVG_HEIGHT	AVG_WEIGHT	
1	Defender	182	78
2	Forward	179	78
3	Goalke...	179	78
4	Midfielder	179	76

player_name	total_contributions
-------------	---------------------

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TOTsql - DE...Lenovo (66)

```
189 --13 Find average market value grouped by nationality.
190 SELECT AVG(CAST([market_value_zar] AS FLOAT)) AS AVG_Market,nationality
191 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
192 GROUP BY nationality;
193
194 --14. Determine how many player contracts end in each year.
195 SELECT
196     YEAR(contract_end_year) AS ContractEndYear,
197     COUNT(*) AS NumPlayers
198 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
199 GROUP BY YEAR(contract_end_year)
200 ORDER BY ContractEndYear;
201
202 --15.15. Identify players whose contracts end next year.
203 SELECT
204     Team,
205     COUNT(*) AS NumPlayers,
206     YEAR(contract_end_year) AS ContractEndYear
207 FROM [Soccer].[dbo].[ketros_sa_soccer_dataset]
```

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Results Messages

4 78 Widowed

PLAYERS	nationality
1 47	Ghanaian
2 42	Malawian
3 37	Mozam...
4 39	Nigerian
5 46	South A...
6 44	Zambian
7 45	Zimbab...

AVG_Market	nationality
1 12258308.0365957	Ghanaian
2 11727256.0554762	Malawian
3 14736203.5943243	Mozam...
4 15069261.3964103	Nigerian
5 12037870.2363043	South A...

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TOTsql - DE...Lenovo (66)

```
88 FROM [Soccer].[dbo].[ketrosoccerdataset];
89
90 --10. Compute total goals and assists for each team.
91 SELECT
92     team,
93     SUM(CAST([goals] AS FLOAT)) AS Total_goals,
94     SUM(CAST([assists] AS FLOAT)) AS Total_assists
95 FROM [Soccer].[dbo].[ketrosoccerdataset]
96 GROUP BY team
97 ORDER BY Total_goals DESC;
98
99 --11. Count players by their marital status
100 SELECT COUNT(*), marital_status
101 FROM [Soccer].[dbo].[ketrosoccerdataset]
102 GROUP BY marital_status;
103
104 --12. Count players by nationality.
105 SELECT COUNT(*) AS PLAYERS, nationality
106 FROM [Soccer].[dbo].[ketrosoccerdataset]
```

100% No issues found

Results Messages

	team	Total_goals	Total_assists
1	Potlako City	1300	783
2	Seikhukhune United	842	608
3	Moroka Swallows	729	492
4	Stellenbosch FC	725	514
5	Chippa United	684	205
6	Golden Arrows	678	519
7	Bloemfontein Celtic	613	566
8	Kaizer Chiefs	597	481

	(No column name)	marital_status
1	78	Divorced
2	65	Married
3	79	Single
4	78	Widowed

	PLAYERS	nationality
--	---------	-------------

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TOT.sql - DE...Lenovo (66)

```
76 ORDER BY MarketValue DESC;
77
78 --8.Calculate the average passing accuracy for each position
79 SELECT
80     Position,
81     AVG(CAST([passing_accuracy] AS FLOAT)) AS AvgPassingAccuracy
82 FROM [Soccer].[dbo].[ketrosoccerdataset]
83 GROUP BY Position
84 ORDER BY AvgPassingAccuracy DESC;
85
86 --9.Compare shot accuracy with goals to find correlations
87 Select shot_accuracy, goals
88 FROM [Soccer].[dbo].[ketrosoccerdataset];
89
90 --10.Compute total goals and assists for each team.
91 SELECT
92     team,
93     SUM(CAST([goals] AS FLOAT)) AS Total_goals,
94     SUM(CAST([assists] AS FLOAT)) AS Total_assists
```

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Results Messages

3	Midfielder	82.8177215183673
4	Defender	82.6642857142857

	shot_accuracy	goals
1	83.7	9
2	68.4	90
3	79.0	99
4	42.9	1
5	74.0	2
6	70.7	3
7	54.2	6
8	68.5	77

	team	Total_goals	Total_assists
1	Poikwone City	1300	783
2	Sekhukhune United	642	606
3	Moroka Swallows	729	452

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TOTsql - DE...Lenovo (66)

```
67 FROM [Soccer].[dbo].[ketros_soccer_dataset]
68 GROUP BY team, average_salary_zar
69 ORDER BY average_salary_zar DESC;
70
71 --7.Retrieve the top 10 players with the highest market value.
72 SELECT TOP 10
73     Team,
74     CAST([market_value_zar] AS FLOAT) AS MarketValue
75 FROM [Soccer].[dbo].[ketros_soccer_dataset]
76 ORDER BY MarketValue DESC;
77
78 --8.Calculate the average passing accuracy for each position
79 SELECT
80     Position,
81     AVG(CAST([passing_accuracy] AS FLOAT)) AS AvgPassingAccuracy
82 FROM [Soccer].[dbo].[ketros_soccer_dataset]
83 GROUP BY Position
84 ORDER BY AvgPassingAccuracy DESC;
85
```

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Results Messages

	Team	MarketValue
1	Bloemfontein Celtic	24979130.35
2	Manelodi Sundowns	24307821.58
3	Moroka Swallows	24308234.94
4	Golden Arrows	24300182.81
5	Sekhukhune United	24340830.44
6	Manelodi Sundowns	24300712.61
7	Golden Arrows	24342131.59
8	Amazulu FC	24231618.07

	Position	AvgPassingAccuracy
1	Goalkeeper	83.9397058023529
2	Forward	83.210843373494
3	Midfielder	82.8177215189873
4	Defender	82.6642657142857

shot_accuracy goals

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TOT.sql - DE...Lenovo (66)

```
55  
56 --5. Identify the top 10 players with the most goals.  
57  
58 SELECT TOP 10  
59     team,  
60     SUM(CAST(goals AS INT)) AS TOTAL_GOALS  
61 FROM [Soccer].[dbo].[ketrosoccerdataset]  
62 GROUP BY team  
63 ORDER BY TOTAL_GOALS DESC;  
64  
65 --6. Find the average salary for players in each team  
66 SELECT average_salary_zar, team  
67 FROM [Soccer].[dbo].[ketrosoccerdataset]  
68 GROUP BY team, average_salary_zar  
69 ORDER BY average_salary_zar DESC;  
70  
71 --7. Retrieve the top 10 players with the highest market value.  
72 SELECT TOP 10  
73     Team,
```

100% No issues found

Results Messages

team	TOTAL_GOALS
3 Maroka Swallows	725
4 Stellenbosch FC	725
5 Chippa United	684
6 Golden Arrows	676
7 Bloemfontein Celtic	613
8 Kaizer Chiefs	597
9 SuperSport United	580
10 Mamelodi Sundowns	570

average_salary_zar	team
1 58510.05	Golden Arrows
2 58022.29	Kaizer Chiefs
3 55354.36	Golden Arrows
4 55067.86	Amazulu FC

Query executed successfully.

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TOTSql - DE...Lenovo (66)

```
40 FROM [K_CarSales].[dbo].[Kaggle_car];
41
42 --2.Count the total number of players in the dataset.
43
44 SELECT COUNT(*) AS TOTAL_NO_OF_PLAYERS
45 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
46
47 --3. List all unique teams in the league.
48 SELECT DISTINCT team AS NO_OF_TEAM
49 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
50
51 --4. Count how many players are in each team
52 SELECT COUNT(*) AS NO_OF_PLAYERS, team
53 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
54 GROUP BY team;
55
56 --5. Identify the top 18 players with the most goals.
57
58 SELECT TOP 18
```

100 % No issues found

Results Messages

team	TOTAL_GOALS
1 Polokwane City	1300
2 Sekhukhune United	842
3 Moroka Swallows	729
4 Stellenbosch FC	725
5 Chippa United	684
6 Golden Arrows	676
7 Bloemfontein Celtic	613
8 Kaizer Chiefs	597

average_salary_per	team
1 58510.05	Golden Arrows
2 58022.29	Kaizer Chiefs
3 55354.35	Golden Arrows
4 55067.85	Amazulu FC

Query executed successfully.

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TOTSql - DE...Lenovo (66)

```
40 FROM [K_CarSales].[dbo].[Kaggle_car];
41
42 --2.Count the total number of players in the dataset.
43
44 SELECT COUNT(*) AS TOTAL_NO_OF_PLAYERS
45 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
46
47 --3. List all unique teams in the league.
48 SELECT DISTINCT team AS NO_OF_TEAM
49 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
50
51 --4. Count how many players are in each team
52 SELECT COUNT(*) AS NO_OF_PLAYERS,team
53 FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
54 GROUP BY team;
55
56 --5. Identify the top 18 players with the most goals.
57
58 SELECT TOP 18
```

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Results Messages

	NO_OF_TEAM
1	AmaZulu FC
2	Bloemfontein Celtic
3	Cape Town City
4	Chippa United
5	Golden Arrows
6	Kaizer Chiefs
7	Mamelodi Sundo...
8	Moroka Swallows

	NO_OF_PLAYERS	team
1	22	AmaZulu FC
2	17	Bloemfontein Celtic
3	15	Cape Town City
4	21	Chippa United
5	21	Golden Arrows

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Server Objects

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Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

TOTsql - DE...Lenovo (66)

```
1 1
2 SELECT TOP (1000) [player_name]
3 ,[team]
4 ,[date_of_birth]
5 ,[age]
6 ,[marital_status]
7 ,[number_of_kids]
8 ,[nationality]
9 ,[country_of_birth]
10 ,[position]
11 ,[preferred_foot]
12 ,[height_cm]
13 ,[weight_kg]
14 ,[jersey_number]
15 ,[injury_status]
16 ,[agent]
17 ,[matches_played]
18 ,[minutes_played]
19 ,[goals]
```

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Results Messages

	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_status
1	Siyanda Dlamini	Stellenbosch FC	1995-05-28 00:00:00.0000000	30	Widowed	0	South African	South African	Defender	Right	167	71	35	Recover
2	Thabo Ndlovu	Cape Town City	2004-06-01 00:00:00.0000000	21	Single	1	Zimbabwean	Zimbabwean	Forward	Right	183	73	40	Recover
3	Vusi Molefe	Stellenbosch FC	2006-09-20 00:00:00.0000000	19	Single	0	Nigerian	Nigerian	Forward	Left	167	66	68	Recover
4	Thembi Mahlangu	Boerfontein Celtic	2004-02-08 00:00:00.0000000	21	Divorced	0	Zambian	Zambian	Goalkeeper	Left	166	93	24	Injured
5	Nokuthula Sithole	Potlswane City	2003-03-18 00:00:00.0000000	22	Divorced	3	Nigerian	Nigerian	Goalkeeper	Both	193	88	79	Injured
6	Thembi Sithole	Kaizer Chiefs	1989-02-14 00:00:00.0000000	35	Married	2	Nigerian	Nigerian	Goalkeeper	Left	193	79	54	Healthy
7	Siyanda Mhlangu	Chippa United	1989-12-09 00:00:00.0000000	35	Single	0	Zambian	Zambian	Defender	Both	181	67	27	Healthy
8	Leleti Mashaba	Potlswane City	1998-01-31 00:00:00.0000000	27	Widowed	0	Chadian	Chadian	Forward	Right	181	65	85	Healthy

MonthYear

1	January 2022
2	January 2022
3	January 2022
4	January 2022

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