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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].[ketro_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].[ketro_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].[ketro_sa_soccer_dataset]
158     ORDER BY total_contributions DESC;
```

100 % No issues found

Results Messages

7	0.00/2/27/2727...	Ayanda Zulu
8	0.1	Bontlelo Mab...

(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

Query executed successfully.

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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) x

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

100% No issues found

Results Messages

7	0.00	2/27/2027	Avanda Zulu
8	0.1		Bolunelo Mab...

(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
-------------	---------------------

Query executed successfully.

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TOTsql - DE...Lenovo (66)

```
--13. Find average market value grouped by nationality.
109     SELECT AVG(CAST([market_value_zar] AS FLOAT))AS AVG_Market,nationality
110     FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
111     GROUP BY nationality;
112
113
114     --14. Determine how many player contracts end in each year.
115     SELECT
116         YEAR(contract_end_year) AS ContractEndYear,
117         COUNT(*) AS NumPlayers
118     FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
119     GROUP BY YEAR(contract_end_year)
120     ORDER BY ContractEndYear;
121
122
123     --15. Identify players whose contracts end next year.
124     SELECT
125         Team,
126         COUNT(*) AS NumPlayers,
127         YEAR(contract_end_year) AS ContractEndYear
128     FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
129     GROUP BY Team,ContractEndYear
130     ORDER BY ContractEndYear;
```

100% 0 Issues found

Results Messages

	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	11727296.0554762	Malawian
3	14736203.5943243	Mozam...
4	15069261.3964103	Nigerian
5	12037970.2363043	South A...

Query executed successfully.

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TOTsql - DE...Lenovo (66)

```
88     FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
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].[ketro_sa_soccer_dataset]
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].[ketro_sa_soccer_dataset]
102    GROUP BY marital_status;
103
104    --12 Count players by nationality.
105    SELECT COUNT(*) AS PLAYERS,nationality
106    FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
```

No issues found

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team	Total_goals	Total_assists
Polokwane City	1300	703
Sedukhune United	842	608
Moroka Swallows	729	452
Stellenbosch FC	725	514
Chippa United	684	205
Golden Arrows	676	519
Ebeneftion Colic	613	566
Kaizer Chiefs	597	481

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

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

Query executed successfully.

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TOTsql - DE...Lenovo (66) X

```
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].[ketro_sa_soccer_dataset]
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].[ketro_sa_soccer_dataset];
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
96
97
98
99
100 %
```

No issues found

Results Messages

3	Midfielder	82.8177215183673
4	Defender	82.6542857142857

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

team	Total_goals	Total_assists
1 Polokwane City	1300	783
2 Sekhukhune United	842	608
3 Mamelodi Sundowns	799	459

Query executed successfully.

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TOTsql - DE...Lenovo (66) X

```
67     FROM [Soccer].[dbo].[ketro_sa_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].[ketro_sa_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].[ketro_sa_soccer_dataset]
83     GROUP BY Position
84     ORDER BY AvgPassingAccuracy DESC;
85
```

100 % 0 Issues found

Results Messages

Team	MarketValue
Ebenfontein Celtic	24979190.35
Marulani Sundowns	24087821.58
Monica Swallows	24368294.94
Golden Arrows	24550182.81
Sekhukhune United	24540304.44
Marulani Sundowns	24380712.61
Golden Arrows	24342131.59
Amazulu FC	24231618.07

Position	AvgPassingAccuracy
Golekweener	83.9397058623523
Forward	83.210843373454
Midfielder	82.8177215188673
Defender	82.6542857142657

avg_passing_accuracy

Query executed successfully.

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TOTsql - DE...Lenovo (66)

```
55      --5. Identify the top 18 players with the most goals.
56
57      SELECT TOP 18
58          team,
59              SUM(CAST(goals AS INT)) AS TOTAL_GOALS
60      FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
61      GROUP BY team
62      ORDER BY TOTAL_GOALS DESC;
63
64      --6. Find the average salary for players in each team
65      SELECT average_salary_zar,team
66      FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
67      GROUP BY team,average_salary_zar
68      ORDER by average_salary_zar DESC;
69
70      --7. Retrieve the top 10 players with the highest market value.
71      SELECT TOP 10
72          Team,
73              Team,
```

No issues found

Results Messages

team	TOTAL_GOALS	
3	Monika Swallows	729
4	Stellenbosch FC	725
5	Chippa United	684
6	Golden Arrows	676
7	Elcemfontein Celics	613
8	Kaizer Chiefs	597
9	SuperSport United	580
10	Mamelodi Sundown	570

average_salary_zar	team	
1	98510.05	Golden Arrows
2	98022.29	Kaizer Chiefs
3	55394.35	Golden Arrows
4	55067.86	AmaZulu FC
5	52221.70	Orlando Pirates

Query executed successfully.

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Mzala ❤️ ❤️ : Banilindele ksasa

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- 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) ×

```
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 10 players with the most goals.
57
58     SELECT TOP 10
```

100% 0 issues found

Results Messages

team	TOTAL_GOALS
Pohakure City	1300
Sekhukhune United	842
Maroka Swallows	729
Stellenbosch FC	725
Chippa United	684
Golden Arrows	676
Ebeneftown Celtic	613
Kaizer Chiefs	597

average_salary_zar	team
98510.05	Golden Arrows
98022.29	Kaizer Chiefs
55394.35	Golden Arrows
55067.86	AmaZulu FC
50000.00	...

Query executed successfully.

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Object Explorer

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- Databases
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- XEvent Profiler

TOTsql - DE...Lenovo (66) X

```
FROM [k_CarSales] [dbo].[Kaggle_car];
--2. Count the total number of players in the dataset.
SELECT COUNT(*) AS TOTAL_NO_OF_PLAYERS
FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
--3. List all unique teams in the league.
SELECT DISTINCT team AS NO_OF_TEAM
FROM [Soccer].[dbo].[ketro_sa_soccer_dataset];
--4. Count how many players are in each team
SELECT COUNT(*) AS NO_OF_PLAYERS,team
FROM [Soccer].[dbo].[ketro_sa_soccer_dataset]
GROUP BY team;
--5. Identify the top 10 players with the most goals.
SELECT TOP 10
```

100% 0 issues found

Results Messages

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

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

Query executed successfully.

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Object Explorer

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

```
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]
```

No issues found

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_st
Siyanda Dimasri	Stellenbosch FC	1995-05-26 00:00:00.0000000	30	Widowed	0	South African	South African	Defender	Right	167	71	35	Recovered
Thabo Ndlovu	Cape Town City	2004-06-01 00:00:00.0000000	21	Single	1	Zimbabwean	Zimbabwean	Forward	Right	183	73	40	Recovered
Vus Molefe	Stellenbosch FC	2006-09-20 00:00:00.0000000	19	Single	0	Nigerian	Nigerian	Forward	Left	167	66	55	Recovered
Thembelani Mahlangu	Boerfontein Celtic	2004-02-08 00:00:00.0000000	21	Divorced	0	Zambian	Zambian	Goalkeeper	Left	166	93	24	Injured
Nokuthula Sthole	Polokwane City	2003-03-18 00:00:00.0000000	22	Divorced	3	Nigerian	Nigerian	Goalkeeper	Both	193	88	79	Injured
Thembani Sthole	Kaizer Chiefs	1989-02-14 00:00:00.0000000	36	Married	2	Nigerian	Nigerian	Goalkeeper	Left	193	79	54	Healthy
Siyanda Mhlongu	Chippa United	1989-12-09 00:00:00.0000000	36	Single	0	Zambian	Zambian	Defender	Both	181	67	27	Healthy
Lebello Mashaba	Polokwane City	1998-01-31 00:00:00.0000000	27	Widowed	0	Ghanian	Ghanian	Forward	Right	181	65	85	Healthy

MonthYear

MonthYear
January 2022
January 2022
January 2022
January 2022

Query executed successfully.

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