

In order to attempt this query you need to set up the environment by performing the following tasks:

- In the **dbo** schema, you are to create a table named **EPLTeams2015**. This table should have 4 columns with the below mentioned properties:
 - TeamID – Integer – PRIMARY KEY
 - TeamName – VARCHAR(32) – NOT NULL – UNIQUE
 - StadiumName – VARCHAR(32) – NOT NULL - UNIQUE
 - StadiumCapacity – Integer – NOT NULL
- In the **dbo** schema, you are to create a table named **EPLTeams2016**. This table should have 4 columns with the below mentioned properties:
 - TeamID – Integer – PRIMARY KEY
 - TeamName – VARCHAR(32) – NOT NULL – UNIQUE
 - StadiumName – VARCHAR(32) – NOT NULL - UNIQUE
 - StadiumCapacity – Integer – NOT NULL
- Insert the following data in the **EPLTeam2015** table

TeamID	TeamName	StadiumName	StadiumCapacity
2	Arsenal	Emirates Stadium	60260
3	Aston Villa	Villa Park	42660
4	Chelsea	Stamford Bridge	41798
5	Crystal Palace	Selhurst Park	25073
6	Everton	Goodison Park	39571
7	Leicester City	King Power Stadium	32312
8	Liverpool	Anfield	44742
9	Manchester City	Etihad Stadium	55097
10	Manchester United	Old Trafford	75653
11	Newcastle United	St James Park	52338
13	Southampton	St Mary Stadium	32505
14	Stoke City	Brittania Stadium	27740
15	Sunderland	Stadium of Light	48707
16	Swansea City	Liberty Stadium	20909
17	Tottenham Hotspur	White Hart Lane	36284
19	West Bromwich Albion	The Hawthorns	26850
20	West Ham United	Boleyn Ground	35345
21	Burnley	Turf Moor	21401
22	Hull City	KC Stadium	25400
23	Queens Park Rangers	Loftus Road	18000

- Insert the following data in the **EPLTeam2016** table

TeamID	TeamName	StadiumName	StadiumCapacity
1	AFC Bournemouth	Dean Stadium	11464
2	Arsenal	Emirates Stadium	60260
3	Aston Villa	Villa Park	42660
4	Chelsea	Stamford Bridge	41798
5	Crystal Palace	Selhurst Park	25073
6	Everton	Goodison Park	39571
7	Leicester City	King Power Stadium	32312
8	Liverpool	Anfield	44742
9	Manchester City	Etihad Stadium	55097
10	Manchester United	Old Trafford	75653
11	Newcastle United	St James Park	52338
12	Norwich City	Carrow Road	27010
13	Southampton	St Mary Stadium	32505
14	Stoke City	Brittania Stadium	27740
15	Sunderland	Stadium of Light	48707
16	Swansea City	Liberty Stadium	20909
17	Tottenham Hotspur	White Hart Lane	36284
18	Watford	Vicarage Road	21500
19	West Bromwich Albion	The Hawthorns	26850
20	West Ham United	Boleyn Ground	35345

The given scenario is related to the English Premier League for the seasons 2015 and 2016. The two tables include all the name of the teams which participated for the particular season. For each team name, the stadium name and its capacity is also stored. Each year 3 teams are relegated from the Premier League to a lower league and 3 teams are promoted to the Premier League

- Write a query that will display the teams which were promoted to the English Premier League in 2016. For each team you are to display the team id and team name

	TEAMID	TeamName
1	1	AFC Bournemouth
2	12	Norwich City
3	18	Watford

3 rows returned

2. Write a query that will display the teams which participated in the English Premier League during the 2015 and 2016 seasons without including any duplicates. You are to display the Team Id and Team name only once again.

	TeamID	TeamName
1	1	AFC Boumemouth
2	2	Arsenal
3	3	Aston Villa
4	4	Chelsea
5	5	Crystal Palace
⋮		
20	20	West Ham United
21	21	Bumley
22	22	Hull City
23	23	Queens Park Rangers

23 rows returned

3. Modify the previous question so that the answer that is outputted is sorted using the Team name in descending order

	TeamID	TeamName
1	20	West Ham United
2	19	West Bromwich Albion
3	18	Watford
4	17	Tottenham Hotspur
5	16	Swansea City
⋮		
19	4	Chelsea
20	21	Bumley
21	3	Aston Villa
22	2	Arsenal
23	1	AFC Boumemouth

23 rows returned

4. Write a query that will display all those clubs that were relegated in the year 2015. For each team you are to include the Team Id and Team name

	TeamID	TeamName
1	21	Burnley
2	22	Hull City
3	23	Queens Park Rangers

3 rows returned

5. You are to modify the query in question 3 so that all the entries (including duplicate) will be returned.

	TeamID	TeamName
1	20	West Ham United
2	20	West Ham United
3	19	West Bromwich Albion
4	19	West Bromwich Albion
5	18	Watford
6	17	Tottenham Hotspur

40 rows returned

6. Write a query that will display the Team Id and Team Name of all those clubs which have participated in both season (2015, 2016)

	TeamID	TeamName
1	2	Arsenal
2	3	Aston Villa
3	4	Chelsea
4	5	Crystal Palace
5	6	Everton
6	7	Leicester City

17 rows returned

7. Consider only the teams whose Team Name starts with either 'W' or 'H'. Write a query that will display the stadium name which was present in 2015 only.

	StadiumName
1	KC Stadium

1 row returned

8. Considering only those teams whose Team Name starts with either 'W' or 'H' once again. Display the Stadium Name of those grounds which were used both in 2015 and 2016

	StadiumName
1	Boleyn Ground
2	The Hawthorns

2 row returned

9. Write a query that will display the TeamName and StadiumCapacity of all those teams who have participated in both 2015 and 2016 and whose stadium capacity is less than 30000.

	TeamName	StadiumCapacity
1	Crystal Palace	25073
2	Stoke City	27740
3	Swansea City	20909
4	West Bromwich Albion	26850

4 row returned

10. Write a query that will display the Team Name of those football teams which have a stadium capacity that is between 20000 and 40000 and who have participated in both leagues. Make sure that each team is displayed only once.

	TeamName	StadiumCapacity
1	Crystal Palace	25073
2	Everton	39571
3	Leicester City	32312
4	Southampton	32505
5	Stoke City	27740
6	Swansea City	20909
7	Tottenham Hotspur	36284
8	West Bromwich Albion	26850
9	West Ham United	35345

9 row returned