JOINS

Inner Join :

select top 8 s.StudentName, s.CGPA as S_CGPA, p.StudentName, p.CGPA as P_CGPA

from student_details s INNER JOIN Placementt_details p

on s.StudentName = p.StudentName;

	StudentName	S_CGPA	StudentName	P_CGPA
1	Aarav	6.28	Aarav	9.45
2	Aditya	5.37	Aditya	5.01
3	Ananya	5.83	Ananya	9.81
4	Arjun	7.69	Arjun	7.66
5	Dev	6.58	Dev	8.67
6	Kabir	8.90	Kabir	7.46
7	Kavya	6.51	Kavya	7.53
8	Meera	8.40	Meera	6.99

Left Outer Join :

select top 5 s.StudentName, s.CGPA as S_CGPA,

        p.CGPA as P_CGPA, p.StudentName

from student_details s LEFT JOIN Placementt_details p

on s.CGPA = p.CGPA

where s.CGPA > 9 and (p.CGPA>9 or p.CGPA is null);

	StudentName	S_CGPA	P_CGPA	StudentName
1	Krish	9.01	NULL	NULL
2	Rohan	10.01	NULL	NULL
3	Shruti	9.17	9.17	Manish
4	Tanya	9.45	9.45	Aarav
5	Tanya	9.45	9.45	Chirag

Right Outer Join :

select top 8 s.CollegeID, s.CGPA as S_CGPA,

        p.CollegeID, p.CGPA as P_CGPA

from student_details s RIGHT JOIN Placementt_details p

on s.CGPA= p.CGPA;

	CollegeID	S_CGPA	CollegeID	P_CGPA
1	CLG0004	7.69	CLG1068	7.69
2	CLG0097	6.33	CLG1027	6.33
3	CLG0040	5.80	CLG1045	5.80
4	CLG0068	8.15	CLG1068	8.15
5	CLG0072	8.07	CLG1005	8.07
6	CLG0030	8.22	CLG1011	8.22
7	CLG0087	9.17	CLG1080	9.17
8	CLG0024	9.45	CLG1031	9.45

Full Outer Join :

```
select top 5 s.StudentName , s.CGPA AS S_CGPA,
            p.StudentName , p.CGPA AS P_CGPA
from student_details s FULL OUTER JOIN Placementt_details p
on s.CGPA = p.CGPA
where p.CGPA<=8 and s.CGPA<=8 or s.CGPA is null;
```

	StudentName	S_CGPA	StudentName	P_CGPA
1	Arjun	7.69	Dipti	7.69
2	Isha	6.33	Geeta	6.33
3	Nikhil	5.80	Rekha	5.80
4	Aditya	6.10	Rajesh	6.10
5	Aditya	6.10	Sunita	6.10

Cross Join :

```
select top 10 s.StudentName, s.CGPA AS S_CGPA,
            p.StudentName, p.CGPA AS P_CGPA
from student_details s CROSS JOIN Placementt_details p
where s.CGPA > 9 AND p.CGPA > 9 or p.CGPA is null;
```

	StudentName	S_CGPA	StudentName	P_CGPA
1	Krish	9.01	Aarav	9.45
2	Rohan	10.01	Aarav	9.45
3	Shruti	9.17	Aarav	9.45
4	Tanya	9.45	Aarav	9.45
5	Yash	9.61	Aarav	9.45
6	Aarav	9.58	Aarav	9.45
7	Arjun	9.01	Aarav	9.45
8	Asha	9.11	Aarav	9.45
9	Diya	9.27	Aarav	9.45
10	Siddharth	9.56	Aarav	9.45

Self Join :

```
select top 10 s.StudentName ,s.CGPA as S_CGPA,
            p.StudentName, p.CGPA as P_CGPA
from student_details s JOIN Placementt_details p
on s.CGPA = p.CGPA;
```

	StudentName	S_CGPA	StudentName	P_CGPA
1	Arjun	7.69	Dipti	7.69
2	Isha	6.33	Geeta	6.33
3	Nikhil	5.80	Rekha	5.80
4	Saanvi	8.15	Santosh	8.15
5	Sam	8.07	Suresh	8.07
6	Shaurya	8.22	Vikram	8.22
7	Shruti	9.17	Manish	9.17
8	Tanya	9.45	Aarav	9.45
9	Tanya	9.45	Chirag	9.45
10	Aarav	9.58	Karan	9.58

<h1 style="text-align:center">SET OPERATORS</h1>

Union :

      select top 5 StudentName, CGPA, Placement

      from student_details

             UNION

      select top 5 StudentName, CGPA, Placement

      from Placementt_details;

	StudentName	CGPA	Placement
1	Aarav	6.28	Yes
2	Aarav	9.45	No
3	Aditya	5.01	No
4	Aditya	5.37	No
5	Ananya	5.83	No
6	Anika	5.75	Yes
7	Arjun	7.69	Yes
8	Kavya	7.53	No
9	Meera	6.99	Yes
10	Rohan	9.16	No

Union All :

      select top 8 StudentName, CGPA, Placement

      from student_details

             UNION ALL

      select top 8 StudentName, CGPA, Placement

      from Placementt_details;

	StudentName	CGPA	Placement
1	Aarav	6.28	Yes
2	Aditya	5.37	No
3	Ananya	5.83	No
4	Anika	5.75	Yes
5	Arjun	7.69	Yes
6	Asha	5.32	Yes
7	Dev	6.58	No
8	Diya	8.76	No
9	Aarav	9.45	No
10	Aditya	5.01	No
11	Kavya	7.53	No
12	Meera	6.99	Yes
13	Rohan	9.16	No
14	Ishita	5.93	No
15	Ananya	9.81	Yes
16	Rajesh	6.10	Yes

Intersect :

select StudentName, CGPA, Placement

from student_details

INTERSECT

select StudentName, CGPA, Placement

from Placementt_details;

	StudentName	CGPA	Placement
1	Dev	8.67	No
2	Meera	6.99	Yes
3	Shruti	5.27	No
4	Siddharth	9.37	Yes
5	Yash	6.64	No

Minus/Except:

select top 5 StudentName, CGPA, Placement

from student_details

EXCEPT

select top 5 StudentName, CGPA, Placement

from Placementt_details;

	StudentName	CGPA	Placement
1	Aarav	6.28	Yes
2	Aditya	5.37	No
3	Ananya	5.83	No
4	Anika	5.75	Yes
5	Arjun	7.69	Yes