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Data Base Management System
Lab - 7

Joins and set operation

```
SQL*Plus: Release 19.0.0.0.0 – Production on Tue Mar 8 13:59:03 2022
Version 19.8.0.0.0

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Last Successful login time: Tue Feb 22 2022 14:03:58 +05:30

Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 – Production
Version 19.13.0.0.0


SQL> select * from cse;

       RNO NAME                 DEPT
---------- -------------------- --------------------
       646 akshat               CSE
       649 shubham              CSE
       633 amit             CSE
       677 xyz                  CSE


SQL> select * from marks;

       RNO SUBJECT              MARKS
---------- ------------------------ ----------
       646 Dis OS                   89
       649 Biometrics               76
       636 NRA                      83
       633 NRA                      80

SQL> select cse.rno,cse.name,marks.subject,marks.marks from cse inner join
marks on cse.rno=marks.rno;

       RNO NAME                 SUBJECT                  MARKS
---------- -------------------- ------------------------ ----------
       646 akshat               Dis OS                   89
       649 shubham              Biometrics               76
       633 amit             NRA              80
```

```
SQL> select cse.rno,cse.name,marks.subject,marks.marks from cse left join marks
on cse.rno=marks.rno;

       RNO NAME                    SUBJECT                   MARKS
---------- ----------------------- ------------------------- ----------
       646 akshat                  Dis OS                          89
       649 shubham                 Biometrics                      76
       633 amit            NRA                      80
       677 xyz


SQL> select cse.rno,cse.name,marks.subject,marks.marks from cse right join
marks on cse.rno=marks.rno;

       RNO NAME                    SUBJECT                   MARKS
---------- ----------------------- ------------------------- ----------
       646 akshat                  Dis OS                          89
       649 shubham                 Biometrics                      76
       633 amit            NRA                      80
                   NRA                      83

SQL>
SQL> select cse.rno,cse.name,marks.subject,marks.marks from cse full join marks
on cse.rno=marks.rno;

       RNO NAME                    SUBJECT                   MARKS
---------- ----------------------- ------------------------- ----------
       646 akshat                  Dis OS                          89
       649 shubham                 Biometrics                      76
                   NRA                      83
       633 amit            NRA                      80
       677 xyz

SQL> select rno from cse union select rno from marks;

       RNO
----------
       633
       636
       646
       649
       677

SQL> select rno from cse union all select rno from marks;

       RNO
----------
       646
       649
       633
       677
       646
       649
       636
       633

8 rows selected.

SQL> select rno from cse intersect select rno from marks;
```

```
       RNO
----------
       633
       646
       649

SQL> select rno from cse minus select rno from marks;

       RNO
----------
       677

SQL>
```