Joint :

~~Types~~ equi-Join (or) equal Join / natural join / inner join.

(aka) (aka)

Tables : Student

regno	deptno
1	10
2	20
3	10
4	30
5	20
6	10
7	60
8	10

Dept

deptid	deptname
10	bca
20	CS
30	maths
40	Physics

Equi-Join : (Similar to intersection).

```
Select regno, deptno, deptid,
deptname from student, dept
where student.deptno = dept.dep
-tid
```

- Joint condition will be written with the 'where' clause

output :

1	10	bca
2	20	CS
3	10	bca
4	30	maths
5	20	CS
6	10	bca

Equi-Join condition using alise name if both the tables has same column name :

```
select s.regno , s.sname , d.deptno, d.deptname
from student s , dept d where s.deptno
= d.deptid
```

(alise name)

(Consider deptno column is common in both the Tables.)

Equi-join condition for 3 tables:

```
select s.regno , s.deptno , d.deptid, d.location_id,
l.loc_id from student s, dept d, loc l
where s.deptno = d.deptid and d.location
_id = l.loc_id ;
```

Non-Equal / Non-Equi joint : matches with a range

Table :

Grade

G	Low_mark	Hi_mark
a	450	500
b	400	449
c	350	399
d	300	349
e	250	299

```
select regno, sname, mark, grade
from student, grade
where student.mark between grade.low_mark
and grade.Hi_mark;
```

Left outer join : (To Display all the matched and the balance unmatched rows in the left side Table) :

```
select s.regno, s.deptno,
d.deptid, d.deptname
from student s, dept d where s.deptno = d.deptid(+);
```

(For left outer join the '(+)' symbol must be mentioned with the right side Table) :

Right outer join : (To Display all the matched and the balance unmatched rows in the right side Table)

```
select s.regno, s.deptno,
d.deptid, d.deptname
from student s, dept d where s.deptno=d.deptid(+);
```

(For Right outer join the '(+)' Symbol must be mentioned with the left side Table) :

Self join :

```
select a.regno, a.sname, a.leaderid, b.sname
```

```
from student a, student b
where a.leaderid = b.regno; // To Display the leadersname
                               of the respective students based on their leader id.
```

Output :

Regno	Sname	Leaderid	Sname
01	Anish	10	Harish
02	Barath	11	Issac
03	Bala	10	Harish
04	Ben	11	ISSAC
05	Dhaneesh		