DML (Data manipulation language)

1. Used to manipulate or access data in the database.

2. Insert, delete, retrieve, update

DDL (Data Definition language)

- Data definition language
- Used to define the data
- Create, delete , alter

DCL (Data control language)

Used to provide access control to the data.

- GRANT
- REVOKE
- ROLLBACK
- COMMIT

SQL joins

- Used to join two or more tables depending upon common field present between them
- Left join also known as left outer join
- Inner join
- Right join also right outer join
- Full join

Inner join

- Selects the rows from the table which have some common attribute.

SELECT course. c_id, student.name, student.age

FROM student

INNER JOIN course

ON student.roll = course.roll;

LEFT JOIN

SELECT course.C_ID, NAME

FROM student

LEFT JOIN course

ON student.ROLL = course.roll;

RIGHT JOIN

SELECT course.C_ID, NAME

FROM student

RIGHT JOIN course

ON student.ROLL = course.roll;

FULL JOIN

SELECT course.C_ID, NAME

FROM student

FULL JOIN course

ON student.ROLL = course.roll;

Eg.

```
select a.roll, b.name
from student a, student b
where a.roll=b.roll;
```

CROSS JOIN/CARTESIAN JOIN

Eg.

SELECT student.name, course.roll

FROM student

CROSS JOIN course;

Natural join

select name , roll, age, section, c_id
from student
natural join course;