**Day-2**

create table Department with dept\_id(integer),dept\_name(varchar(50)).

dept\_id will be foreign key in Employee table.

Employee table

---------------------------

empid emp\_name dept\_id salary manager

1 Arun 1 8000 4

2 kiran 1 7000 1

3 Scott 1 3000 1

4 Max 2 9000

5 Jack 2 8000 4

6 King 6000 1

Department table

-------------

dept\_id dept\_name

1 Finance

2 Training

3 Marketing

Apply not null,primary key and foreign key constraints.

\*\*\*\*\*\*\*\*\*\*\*order by

1. select all from authors sort ascending by author name.

2. select all from publishers sort descending by publisher name.

\*\*\*\*\*\*\*\*\*\*\*group by

1. select all data and sum of salary from employee and group according to deptid.

2. select deptid and sum of salary where salary is greater than 17000 and group by deptid.

\*\*\*\*\*\*\*\*\*having

1. select deptid and sum of salary where sum of salary is greater than 18000 and grup by deptid.

2. select deptid and sum of salary where sum of salary is less than 20000 and grup by deptid.

\*\*\*\*\*\*\*\*\*\*\*\*joins

1. select dept\_name and emp\_name where dept\_id is same.

2. select all from both tables where dept\_id is same.

3. select dept\_id and sum of salary group it by dept\_id.

4. select dept\_name and emp\_name apply right outer join and left outer join.

5. select epm\_name with their respective manager names.

6. select epm\_name with their respective department names.

\*\*\*\*\*\*\*\*\*\*\*\*\*union

Emp1 Emp2

emp\_no emp\_name emp\_no emp\_name

--------------------- ------------------------

1 A 1 A

2 B 2 B

3 C 4 D

5 E

1. select same data from both table.

\*\*\*\*\*\*subQuery

1. select employee having same salary as 'Arun'.

2. select employee belonging to same dept as 'jack'.

3. select name of employee havin lowest salary.

4. update salary =15000 of employees belonging to same dept as 'Max'.