**Order by, group by,having**

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

dept\_id will be foreign key in Employee table.

**Employee table**

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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**

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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.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Ansewers\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

create database assignment3\_dbms;

use assignment3\_dbms;

create table Department

(

dept\_id int not null,

dept\_name varchar(50) not null,

primary key(dept\_id)

);

create table employee

(

empid int not null ,

emp\_name varchar(50) not null,

dept\_id int not null,

salary double,

manager char(50),

constraint employee\_fk foreign key(dept\_id) references department(dept\_id)

);

create table authors

(

auid int(5) primary key,

aname varchar(30),

email varchar(50),

phone varchar(30),

unique (email)

);

create table publishers

(

pubid int(3) primary key,

pname varchar(30),

email varchar(50),

phone varchar(30),

unique (email)

);

insert into publishers values (1,'willey','info@wrox.com','7745001618');

insert into publishers values (2,'wrox','info@vsnl.com',null);

insert into publishers values (3,'tata mcgraw','feedback@tatamcgrawhill.com',8899764533);

insert into publishers values (4,'techmedia','books@techmedia.com',7768984563);

insert into authors values (101,'herbert schild','herbert@yahoo.com',null);

insert into authors values (102,'james goodwill','goodwill@hotmail.com',null);

insert into authors values (103,'david hunter','huter@hotmail.com',null);

insert into authors values (104,'stephen walther','walther@gmail.com',null);

insert into authors values (105,'kevin loney','loney@oracle.com',null);

insert into authors values (106,'ed. romans','romans@theserverside.com',null);

insert into department values(1,'finance');

insert into department values(2,'training');

insert into department values(3,'marketing');

insert into employee values(1,'arun',1,8000, 4);

insert into employee values(2,'kiran',1,7000,1);

insert into employee values(3,'scot',1,3000,1);

insert into employee values(4,'max',2,9000,null);

insert into employee values(5,'jack',2,8000,4);

insert into employee values(6,'king',3,6000,1);

commit;

rollback;

truncate employee;

show tables;

drop table employee;

drop table department;

select \* from employee;

select \* from department;

select \* from authors order by aname asc;

select \* from publishers order by pname desc;

select \*,sum(salary) as "Employee salary"

from employee

group by dept\_id;

select dept\_id,sum(salary) as "Employee Salary"

from employee

where salary > 3000

group by dept\_id;

select dept\_id,sum(salary) as "Employee Salary"

from employee

group by dept\_id

having sum(salary)>6000;

select dept\_id,sum(salary) as "Employee Salary"

from employee

group by dept\_id

having sum(salary)<20000;