use learning -- switch database

select \* from product

/\*

Aggregiate Function:

max()

min()

avg()

count()

sum()

Group By : to summarize the data

having : having can be used only with group by

Date Function:

\*/

select max(p\_price) from product

select min(p\_price) from product

select avg(p\_price) from product

select sum(p\_price) from product

select count(p\_price) from product --row count-ignore null value

select count(\*) from product --row count

select

max(p\_price) as highest

,min(p\_price) as lowest

,sum(p\_price) as total

,avg(p\_price) as average

from product

--group by

select p\_name, count(\*)

from product

group by p\_name

select p\_name, count(\*) ,max(p\_price),min(p\_price),sum(p\_price)

from product

group by p\_name

--show list of duplicate product

select p\_name, count(\*) ,max(p\_price),min(p\_price),sum(p\_price)

from product

group by p\_name

having count(\*) >1

select p\_name, count(\*) ,max(p\_price),min(p\_price),sum(p\_price) --5

from product --1

where p\_name in ('dove','lux') --2

group by p\_name --3

having count(\*) >1 --4

--Date Function:

select getdate()

select DATEPART(year, getdate())

select DATEPART(MONTH, getdate())

select DATEPART(HOUR, getdate())

select DATEPART(weekday,getdate())

select DATEADD(year,10,getdate())

select DATEPART(WEEKDAY, DATEADD(year,10,getdate()))

select DATEPART(weekday,'1987-08-27')

SELECT DATEDIFF(MONTH,'1987-08-27',GETDATE())

SELECT DATEDIFF(DAY,'1987-08-27',GETDATE())

SELECT DATEDIFF(HOUR,'1987-08-27',GETDATE())

SELECT DATEDIFF(MINUTE,'1987-08-27',GETDATE())

/\*

Q. wap to show list of managers if no of direct reportee is more than 1

eid ename mgrid

1 raman null

2 jatin 1

3 rahul 1

4 nitin 2

5 ayush 2

6 nidhi 4

Q. wap to show list of user whose bday is today

eid ename mgrid dob

1 raman null 1990-03-03

2 jatin 1 1990-11-03

3 rahul 1 1990-03-14

4 nitin 2 1996-03-03

5 ayush 2 1990-12-03

6 nidhi 4 1987-03-03

\*/

use learning

create table mgr

(eid int,

ename varchar(30),

mgrid int,

dob date)

insert into mgr(eid,ename,mgrid,dob)

values(1,'raman',null,'1990-03-03'),

(2,'jatin',1,'1990-03-14'),

(3,'rahul',1,'1996-03-03'),

(4,'nitin',2,'1995-03-28'),

(5,'ayush',2,'1998-02-14'),

(6,'nidhi',4,'1993-05-14')