if alias name contains space then it is mandatory to enclose it in quotes. otherwise it is not mandatory to enclose it in quotes.

-------to display a code which is combination of first 3 characters of name and last 3 characters of job

whose sal is eitherr1250 or 2000 or 1600

select ename,job,concat(left(ename,3),right(job,3)) code

from emp

where sal in (1250,2000,1600)

or

select ename,job,concat(substr(ename,1,3),substr(job,length(job)-3,3)) “emp code”

from emp

where sal in (1250,2000,1600)

------- find length of job, and display name in reverse order

select ename,job,length(job),reverse(ename)

from emp;

------ find all name which has A at 2nd position or A at 3rd position or E at the end

select empno,ename,job

from emp

where ename like ‘\_A%’ or ename like ‘\_\_A%’ or ename like ‘%E’

select empno,ename,job

from emp

where ename REGEXP ‘^..?A|E$’

-------- display all employees who do not earn commission and name has A at 2nd or 3rd position and ends with E

select ename,job,ifnull(comm,0)

from emp

where (comm is null or comm=0)and ename like ‘\_A%E’ or ename like ‘\_\_A%E’

or

select ename,job

from emp

where (comm is null or comm=0) and ename REGEXP ‘^..?A.\*E$’

--------select all employees who works in deptno 10 or 20 and sal >=1200 or <=3000

select empno,ename,sal,deptno

from emp

where deptno in (10,20) and sal between 1200 and 3000

---------date related function

date\_add ---to find date after 2 years

select date\_add(curdate(),interval 2 years)

----find date after 2 years 4 moths 2 days

select date\_add(date\_add(date\_add(curdate(),interval 2 year),interval 4 month),interval 2 day)

-----find all employees who joined in 1981

select \*

from emp

where year(hiredate)=81

---find all employees who joined in 1 st of aug

select \*

from emp

where month(hiredate)=8 and day(hiredate)=1

-------find all employees who joined in either aug or September

select empno,ename,hiredate

from emp

where month(hiredate)=08 or month(hiredate)=09;

or

select empno,ename,hiredate

from emp

where month(hiredate) in (8,9)

-------to display date before one year

select date\_sub(curdate(), interval of 1 year)

-----find all employees who joined before 1 aug 1982

select \*

from emp

where hiredate < ’1982-08-01’

--------- to find the week

select weekday(‘2000-12-31’),week(‘2000-12-31’),weekofyear(‘2000-12-31’)

----to find monthname, dayname

select date\_format(curdate(),'%M'),monthname(curdate()),dayname(curdate())

---------

set autocommit=1

insert one record

select \* from emp;

rollback;

select \* from emp;

DML ---- insert,delete, update