Chit 4

mysql> use db4;

Database changed

mysql> create table dept

-> (

-> dno int,

-> dname varchar(20),

-> loc varchar(20),

-> mgrcode int,

-> primary key(dno)

-> );

Query OK, 0 rows affected (0.18 sec)

mysql> insert into dept(1,'inventory','Pune',123);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '1,'inventory','Pune',123)' at line 1

mysql> insert into dept values(1,'inventory','Pune',123);

Query OK, 1 row affected (0.06 sec)

mysql> insert into dept values(2,'marketing','goa',223);

Query OK, 1 row affected (0.13 sec)

mysql> insert into dept values(3,'inventory','goa',323);

Query OK, 1 row affected (0.08 sec)

mysql> insert into dept values(4,'computer','abad',323);

Query OK, 1 row affected (0.06 sec)

mysql> insert into dept values(5,'physics','ahbad',423);

Query OK, 1 row affected (0.05 sec)

mysql> create table project

-> (

-> pno int,

-> pname varchar(20),

-> status varchar(20),

-> primary key(pno)

-> );

Query OK, 0 rows affected (0.12 sec)

mysql> create table emp

-> (

-> pno int,

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')' at line 4

mysql> create table emp

-> (

-> eno int,

-> ename varchar(20),

-> des varchar(20),

-> pno int,

-> dno int,

-> primary key(eno),

-> foreign key(pno) references project(pno),

-> foreign key(dno) references dept(dno),

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')' at line 11

mysql> create table emp

-> (

-> eno int,

-> ename varchar(20),

-> des varchar(20),

-> pno int,

-> dno int,

-> primary key(eno),

-> foreign key(pno) references project(pno),

-> foreign key(dno) references dept(dno)

-> );

Query OK, 0 rows affected (0.14 sec)

mysql> insert into project values(1,'nik','complete');

Query OK, 1 row affected (0.05 sec)

mysql> insert into project values(2,'far','incomplete');

Query OK, 1 row affected (0.05 sec)

mysql> insert into project values(3,'qwer','incomplete');

Query OK, 1 row affected (0.06 sec)

mysql> insert into project values(4,'popeye','complete');

Query OK, 1 row affected (0.06 sec)

mysql> insert into project values(5,'pops','incomplete');

Query OK, 1 row affected (0.04 sec)

mysql>

mysql>

mysql>

mysql>

mysql>

mysql> insert into emp values(1,'Rut','incomplete',1,2);

Query OK, 1 row affected (0.05 sec)

mysql> insert into emp values(2,'del','manager',1,2);

Query OK, 1 row affected (0.06 sec)

mysql> insert into emp values(3,'asj','manager',1,2);

Query OK, 1 row affected (0.07 sec)

mysql> insert into emp values(4,'madhur','manager',2,1);

Query OK, 1 row affected (0.08 sec)

mysql> insert into emp values(5,'madhur','clerk',2,2);

Query OK, 1 row affected (0.12 sec)

mysql> insert into emp values(6,'madh','peon',1,1);

Query OK, 1 row affected (0.06 sec)

mysql> select \* from emp;

+-----+--------+------------+------+------+

| eno | ename | des | pno | dno |

+-----+--------+------------+------+------+

| 1 | Rut | incomplete | 1 | 2 |

| 2 | del | manager | 1 | 2 |

| 3 | asj | manager | 1 | 2 |

| 4 | madhur | manager | 2 | 1 |

| 5 | madhur | clerk | 2 | 2 |

| 6 | madh | peon | 1 | 1 |

+-----+--------+------------+------+------+

6 rows in set (0.00 sec)

mysql> select \* from project;

+-----+--------+------------+

| pno | pname | status |

+-----+--------+------------+

| 1 | nik | complete |

| 2 | far | incomplete |

| 3 | qwer | incomplete |

| 4 | popeye | complete |

| 5 | pops | incomplete |

+-----+--------+------------+

5 rows in set (0.00 sec)

mysql> select \* from dept;

+-----+-----------+-------+---------+

| dno | dname | loc | mgrcode |

+-----+-----------+-------+---------+

| 1 | inventory | Pune | 123 |

| 2 | marketing | goa | 223 |

| 3 | inventory | goa | 323 |

| 4 | computer | abad | 323 |

| 5 | physics | ahbad | 423 |

+-----+-----------+-------+---------+

5 rows in set (0.00 sec)

mysql> select \* from emp where dno=(select dno from dept where dname='inventory' and loc='pune');

+-----+--------+---------+------+------+

| eno | ename | des | pno | dno |

+-----+--------+---------+------+------+

| 4 | madhur | manager | 2 | 1 |

| 6 | madh | peon | 1 | 1 |

+-----+--------+---------+------+------+

2 rows in set (0.04 sec)

mysql> select \* from emp where dno in (select dno from dept where dname='inventory' and loc='pune');

+-----+--------+---------+------+------+

| eno | ename | des | pno | dno |

+-----+--------+---------+------+------+

| 4 | madhur | manager | 2 | 1 |

| 6 | madh | peon | 1 | 1 |

+-----+--------+---------+------+------+

2 rows in set (0.00 sec)

mysql> select \* from emp where pno in (select pno from project where pname='far');

+-----+--------+---------+------+------+

| eno | ename | des | pno | dno |

+-----+--------+---------+------+------+

| 4 | madhur | manager | 2 | 1 |

| 5 | madhur | clerk | 2 | 2 |

+-----+--------+---------+------+------+

2 rows in set (0.00 sec)

mysql> select ename from emp where pno in (select pno from project where pname='far');

+--------+

| ename |

+--------+

| madhur |

| madhur |

+--------+

2 rows in set (0.00 sec)

mysql> select ename from emp where pno in (select pno from project where pname='nik');

+-------+

| ename |

+-------+

| Rut |

| del |

| asj |

| madh |

+-------+

4 rows in set (0.00 sec)

mysql> select mgrcode from dept where dname='marketing';

+---------+

| mgrcode |

+---------+

| 223 |

+---------+

1 row in set (0.00 sec)

mysql> select \* from emp e inner join project p on e.pno=p.pno and p.status='incomplete';

+-----+--------+---------+------+------+-----+-------+------------+

| eno | ename | des | pno | dno | pno | pname | status |

+-----+--------+---------+------+------+-----+-------+------------+

| 4 | madhur | manager | 2 | 1 | 2 | far | incomplete |

| 5 | madhur | clerk | 2 | 2 | 2 | far | incomplete |

+-----+--------+---------+------+------+-----+-------+------------+

2 rows in set (0.04 sec)

mysql> select \* from emp where dno in (select dno from dept where loc='pune') order by eno desc;

+-----+--------+---------+------+------+

| eno | ename | des | pno | dno |

+-----+--------+---------+------+------+

| 6 | madh | peon | 1 | 1 |

| 4 | madhur | manager | 2 | 1 |

+-----+--------+---------+------+------+

2 rows in set (0.00 sec)

mysql> insert into emp values(7,'lesbian','peon',3,3);

Query OK, 1 row affected (0.06 sec)

mysql> insert into emp values(8,'bian','eon',2,3);

Query OK, 1 row affected (0.09 sec)

mysql> select \* from dept d inner join emp e on d.dno=e.dno;

+-----+-----------+------+---------+-----+---------+------------+------+------+

| dno | dname | loc | mgrcode | eno | ename | des | pno | dno |

+-----+-----------+------+---------+-----+---------+------------+------+------+

| 2 | marketing | goa | 223 | 1 | Rut | incomplete | 1 | 2 |

| 2 | marketing | goa | 223 | 2 | del | manager | 1 | 2 |

| 2 | marketing | goa | 223 | 3 | asj | manager | 1 | 2 |

| 1 | inventory | Pune | 123 | 4 | madhur | manager | 2 | 1 |

| 2 | marketing | goa | 223 | 5 | madhur | clerk | 2 | 2 |

| 1 | inventory | Pune | 123 | 6 | madh | peon | 1 | 1 |

| 3 | inventory | goa | 323 | 7 | lesbian | peon | 3 | 3 |

| 3 | inventory | goa | 323 | 8 | bian | eon | 2 | 3 |

+-----+-----------+------+---------+-----+---------+------------+------+------+

8 rows in set (0.00 sec)

mysql> select dname,count(dname) from dept d inner join emp e on d.dno=e.dno group by dname;

+-----------+--------------+

| dname | count(dname) |

+-----------+--------------+

| inventory | 4 |

| marketing | 4 |

+-----------+--------------+

2 rows in set (0.00 sec)

mysql> select dname,count(dname) from dept d left outer join emp e on d.dno=e.dno group by dname;

+-----------+--------------+

| dname | count(dname) |

+-----------+--------------+

| computer | 1 |

| inventory | 4 |

| marketing | 4 |

| physics | 1 |

+-----------+--------------+

4 rows in set (0.00 sec)

mysql> select dname,count(dname) from dept d right outer join emp e on d.dno=e.dno group by dname;

+-----------+--------------+

| dname | count(dname) |

+-----------+--------------+

| inventory | 4 |

| marketing | 4 |

+-----------+--------------+

2 rows in set (0.00 sec)

mysql> select dname,count(dname) from dept d outer join emp e on d.dno=e.dno group by dname;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'outer join emp e on d.dno=e.dno group by dname' at line 1

mysql> select dname from dept where dno in (select dno from emp where pno in (select pno from project where status='complete'));

+-----------+

| dname |

+-----------+

| inventory |

| marketing |

+-----------+

2 rows in set (0.00 sec)

mysql> select count(deptno) from dept;

ERROR 1054 (42S22): Unknown column 'deptno' in 'field list'

mysql> select count(dno) from dept;

+------------+

| count(dno) |

+------------+

| 5 |

+------------+

1 row in set (0.00 sec)

mysql> select count(eno) from emp;

+------------+

| count(eno) |

+------------+

| 8 |

+------------+

1 row in set (0.00 sec)

mysql> create or replace view v6 as select dname,dno from dept;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from v6;

+-----------+-----+

| dname | dno |

+-----------+-----+

| inventory | 1 |

| marketing | 2 |

| inventory | 3 |

| computer | 4 |

| physics | 5 |

+-----------+-----+

5 rows in set (0.00 sec)