Chit 7

mysql> use db7;

Database changed

mysql> create table project

-> (

-> pno int,

-> pname varchar(20),

-> chief varchar(20),

-> primary key(pno)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> create table emp

-> (

-> eno int,

-> ename varchar(20),

-> primary key(eno)

-> );

Query OK, 0 rows affected (0.19 sec)

mysql> create table assign

-> (

-> pno int,

-> eno int,

-> primary key(pno,eno),

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

-> foreign key(eno) references emp(eno)

-> );

Query OK, 0 rows affected (0.16 sec)

mysql> insert into project values(1,'rahat','vis');

Query OK, 1 row affected (0.11 sec)

mysql> insert into project values(2,'asu','rut');

Query OK, 1 row affected (0.06 sec)

mysql> insert into project values(3,'mess','vis');

Query OK, 1 row affected (0.03 sec)

mysql> insert into project values(4,'ron','ksh');

Query OK, 1 row affected (0.06 sec)

mysql> insert into emp(1,'dil');

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,'dil')' at line 1

mysql> insert into emp values(1,'dil');

Query OK, 1 row affected (0.06 sec)

mysql> insert into emp values(2,'num');

Query OK, 1 row affected (0.06 sec)

mysql> insert into emp values(3,'abh');

Query OK, 1 row affected (0.03 sec)

mysql> insert into emp values(4,'madh');

Query OK, 1 row affected (0.06 sec)

mysql> insert into assign(1,2);

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 '1,2)' at line 1

mysql> insert into assign values(1,2);

Query OK, 1 row affected (0.06 sec)

mysql> insert into assign values(1,1);

Query OK, 1 row affected (0.04 sec)

mysql> insert into assign values(2,1);

Query OK, 1 row affected (0.06 sec)

mysql> insert into assign values(3,3);

Query OK, 1 row affected (0.06 sec)

mysql> insert into assign values(3,4);

Query OK, 1 row affected (0.07 sec)

mysql> select \* from project;

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

| pno | pname | chief |

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

| 1 | rahat | vis |

| 2 | asu | rut |

| 3 | mess | vis |

| 4 | ron | ksh |

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

4 rows in set (0.00 sec)

mysql> select \* from emp;

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

| eno | ename |

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

| 1 | dil |

| 2 | num |

| 3 | abh |

| 4 | madh |

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

4 rows in set (0.00 sec)

mysql> select \* from assign;

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

| pno | eno |

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

| 1 | 1 |

| 2 | 1 |

| 1 | 2 |

| 3 | 3 |

| 3 | 4 |

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

5 rows in set (0.00 sec)

mysql> select p.pname from project p inner join emp e inner join assign a on p.pno=a.pno and e.eno=a.eno group by pname;

+-------+

| pname |

+-------+

| asu |

| mess |

| rahat |

+-------+

3 rows in set (0.00 sec)

mysql> select p.pname,count(pname) as total from project p inner join emp e inner join assign a on p.pno=a.pno and e.eno=a.eno group by pname;

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

| pname | total |

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

| asu | 1 |

| mess | 2 |

| rahat | 2 |

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

3 rows in set (0.00 sec)

mysql> select \* from emp where eno=(select eno from assign where pno=2);

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

| eno | ename |

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

| 1 | dil |

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

1 row in set (0.00 sec)

mysql> select \* from emp where eno=(select eno from assign where pno=1);

ERROR 1242 (21000): Subquery returns more than 1 row

mysql> select \* from emp where eno in (select eno from assign where pno=1);

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

| eno | ename |

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

| 1 | dil |

| 2 | num |

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

2 rows in set (0.00 sec)

mysql> select \* from emp where eno in (select eno from assign where pname='rahat');

ERROR 1054 (42S22): Unknown column 'pname' in 'where clause'

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

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

| eno | ename |

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

| 1 | dil |

| 2 | num |

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

2 rows in set (0.00 sec)

mysql> delimiter //

mysql> create trigger t1 before delete on emp

-> for each row

-> delete from assign where eno=old.eno;

-> end//

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 ';

end' at line 3

mysql> create trigger t1 before delete on emp

-> for each row

-> begin

-> delete from assign where eno=old.eno;

-> end//

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> delete from emp where ename='madh';

Query OK, 1 row affected (0.08 sec)

mysql> select \* from assign;

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

| pno | eno |

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

| 1 | 1 |

| 2 | 1 |

| 1 | 2 |

| 3 | 3 |

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

4 rows in set (0.00 sec)

mysql> delimiter //

mysql> delimiter ;

mysql> create table backup

-> (

-> pno int,

-> eno int

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> delimiter //

mysql> create trigger t2 before delete on project

-> for each row

-> begin

-> insert into backup values(old.pno,old.eno);

-> delete from assign where pno in old.pno;

-> end//

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 'old.pno;

end' at line 5

mysql> delimiter //

mysql> create trigger t2 before delete on project

-> for each row

-> begin

-> insert into backup values(old.pno,(select eno from assign where pno in old.pno));

-> delete from assign where pno in old.pno;

-> end//

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 'old.pno));

delete from assign where pno in old.pno;

end' at line 4

mysql> delimiter //

mysql> create trigger t2 before delete on project

-> for each row

-> begin

-> insert into backup values(old.pno,(select eno from assign where pno=old.pno));

-> delete from assign where pno in old.pno;

-> end//

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 'old.pno;

end' at line 5

mysql> delimiter //

mysql> create trigger t2 before delete on project

-> for each row

-> begin

-> insert into backup values(old.pno,(select eno from assign where pno=old.pno));

-> delete from assign where pno=old.pno;

-> end//

Query OK, 0 rows affected (0.01 sec)

mysql> delete from project where pno=2;

-> //

Query OK, 1 row affected (0.06 sec)

mysql> delimiter ;

mysql> select \* from assign;

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

| pno | eno |

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

| 1 | 1 |

| 1 | 2 |

| 3 | 3 |

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

3 rows in set (0.00 sec)

mysql> select \* from backup;

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

| pno | eno |

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

| 2 | 1 |

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

1 row in set (0.00 sec)

mysql> delete from project where pno=1;

ERROR 1242 (21000): Subquery returns more than 1 row

mysql> delete from project where pno in 1;

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' at line 1